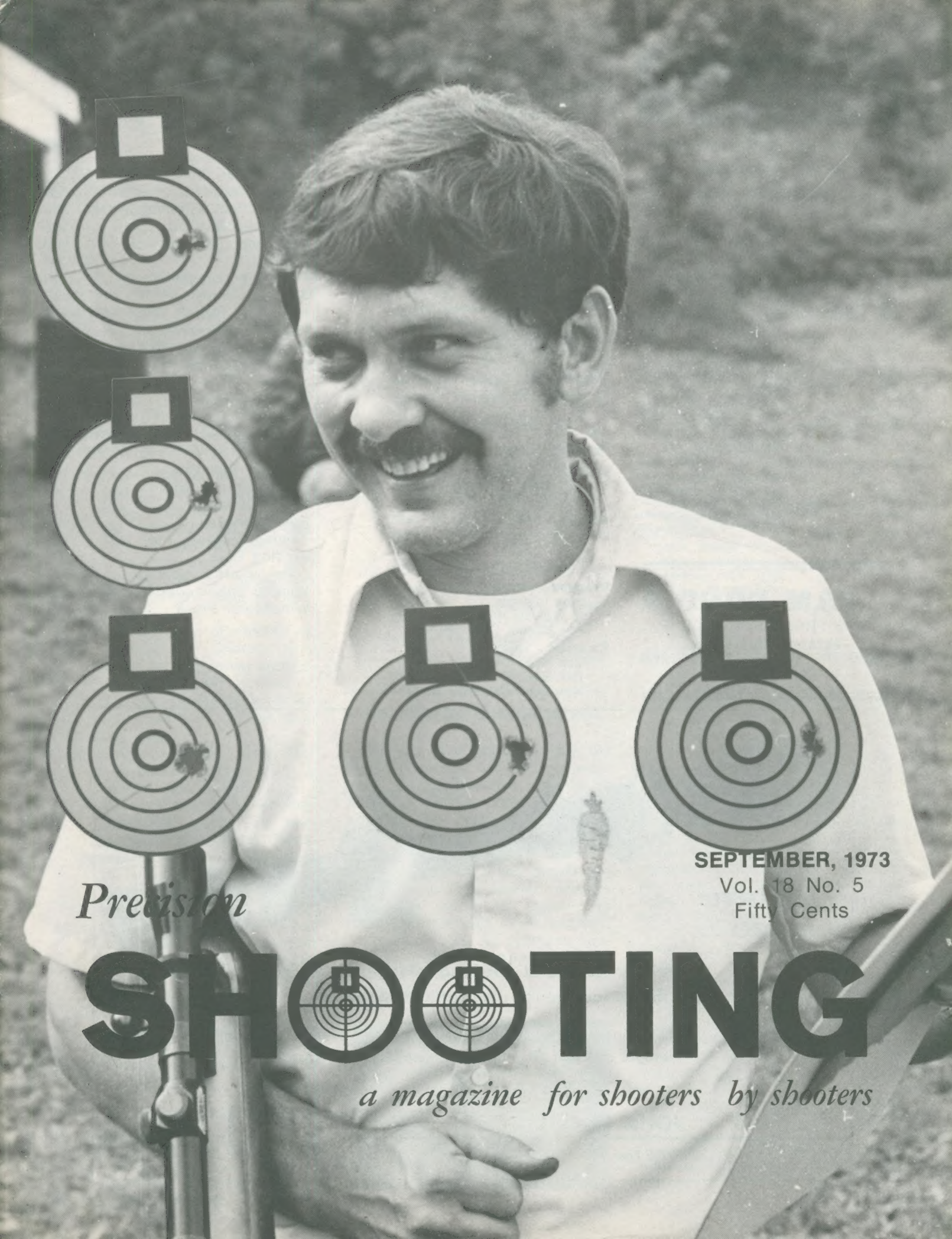

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Precision

SHOOTING

a magazine for shooters by shooters

PRECISION SHOOTING

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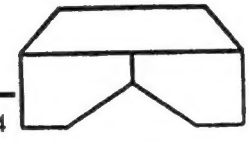

ANNUAL MEETING — OFFICIAL NOTICE

The annual meeting of I.B.S. is to be held January 12th. and 13th. at the Lycoming Hotel & Motor Lodge in Williamsport, Pennsylvania. Contact Mr. or Mrs. Carl Lynn if a problem arises concerning reservations or arrangements. As in other years there will be a special program for the ladies.

The By-Laws of I.B.S. require the publishing of the agenda of the Annual meeting for three successive issues (i.e. three months) prior to the meeting. The following list of proposals are those that have been suggested and will be included in the agenda of the Annual Meeting.

1. Committee reports including delayed and/or tabled committee reports.
2. The establishment of a time limit for agenda items.
3. Consideration and suggestions for continuing the N.B.R.S.A. Liaison Committee.
4. Consideration of whether an International Championship match for Benchrest and Experimental rifles consist of five - ten shot matches or ten shot matches - tabled from last year.
5. Eleven o'clock break for equipment show and a speaker until lunch.
6. The consideration of whether fiberglass stocks be **permitted in the Hunter Class.**
7. Authorize the Vice-President to schedule matches for 1974.
8. Match schedule for 1974.
9. Committee report on what constitutes an organization member and what constitutes a club. — Action if necessary.
10. Consider limited advanced entries for International Championship matches and establish a committee to reject any who exceed the limit.
11. To mandate that the membership number be eliminated from the ballot.
12. To establish the nature of business required on the agenda and what constitutes standard business of the organization that may be conducted without being included in the agenda.
13. To decide on the site and time by the Board of Directors for the 1975 annual meeting.
14. Consider opening the Hunter Marksman Class to off the shelf rifles. Any center fire 10 lb. limit with scope permitted. Outside alterations of stock not permitted.
15. I.B.S. membership be required to compete in a registered match. This need is increasingly evident.
16. To establish criteria for conduct and movement at the benches during registered matches.
17. To require that bolts be permitted in rifles only when instructed by Range Officer and removed on the command to "cease fire — remove your bolts — clear the benches."

RULE BOOK CORRECTIONS

During the annual Winter Meeting various rule changes were made. These changes were to be added to the rule book as soon as possible. The corrected pages are ready for distribution to those who request them.

The pre-pasted insert pages can be moistened and applied over the incorrect page to make the rulebook up to date in all respects.

To obtain your set of pages contact the IBS Recording Secretary, Donalee B. Stekl, R.D. 1, Robinson Road, Mohawk, N.Y. 13407.

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IBS Memo

IBS Targets — Charter and Life Members

100 or 200 yd. **BR Targets** — 500 per carton — are $11.25, less 10% to affiliated clubs, plus postage. **Hunter Targets** — 250 per carton — are $8.50 with same discount privilege to affiliated clubs; 500 **Hunter** (2 cartons) $16.25. Mail order to: Donalee Stekl, R.D. 1, Robinson Road, Mohawk, N.Y. 13407, or to R.W. Hart, Nescopeck, Pa. 18635.

The annual membership fee is $8.00 — Life membership in IBS has been set at $125. Apply to the recording secretary for enrollment. IBS Affiliated Club Memberships $10.00

New rule books now available, with minor changes — plus IBS By-Laws at 50 cents per copy.

IBS Charter Membership Patches and regular patches are available at $2.00 each.

When ordering **Charter Membership patches** please indicate your 1970 Card number.

The President's Message

Due to the interest shown by the membership, our 1974 Winter Meeting will be held again this year, Jan. 12 and 13th, in Williamsport, Pennsylvania. Many requests to hold the meeting at the Lycoming Hotel and Motor Lodge seem to make this decision advisable. The arrangements are the same as they were for the meeting in 1971 and the hotel advises me that it is not too soon to make reservations. Members attending the meeting here for the first time may address inquiries to me.

A partial agenda for this meeting will appear elsewhere in this issue of the magazine. Additions and corrections can be made until the October issue. Our by-laws mandate that the agenda appear for three months prior to the Winter meeting. After October, business cannot be conducted, **as such**, that does not appear on the agenda. This is to prevent action from being taken on vital matters that have not been adequately advertised in our official publication; Precision Shooting. It is a good rule and one that is also strongly recommended by Roberts Rules of Order.

Any member who desires an addition or correction to the agenda should submit them to me in writing by September 25th. This is an absolute deadline established by the editor in order to be printed in the October issue. Items received after this date will not be included for the 1974 meeting.

Address hotel reservations to the following address:

Lycoming Hotel & Motor Lodge
Williamsport, Pa. 17701
Phone 717-326-5181

Carl U. Lynn

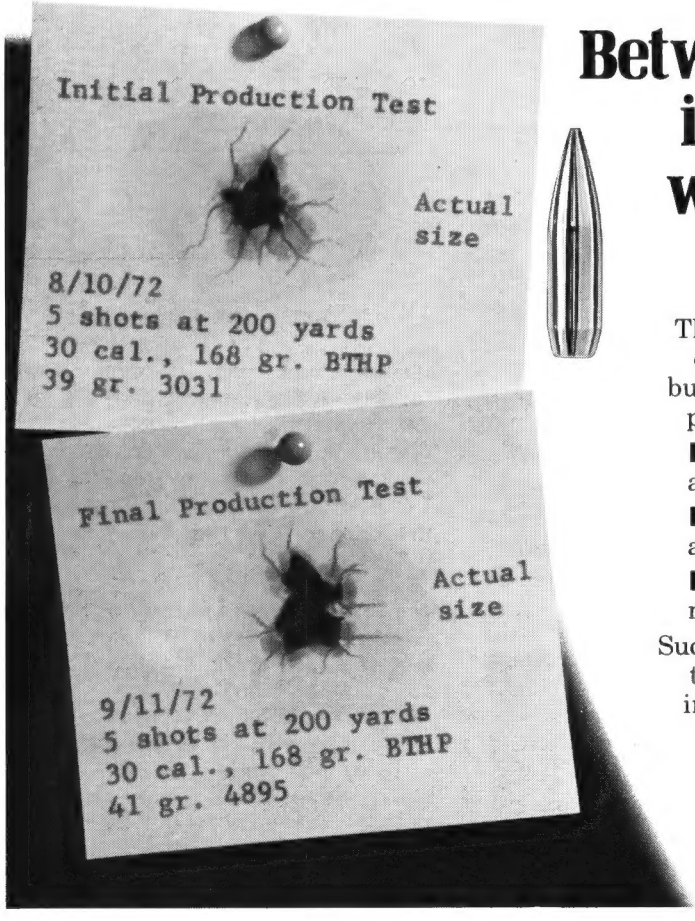
Cover Story

At the August 18 and 19 match held on the South Creek range Jack Deming broke the previous Sporter aggregate at the 100 yard line. Firing a .2152 aggregate he lowered the previous high of .2928 which was fired by Art Blensinger on July 27, 1972.

The range measured targets, and aggregate, are subject to official measurement but are definitely a new record. The groups used to form this aggregate measured .186, .234, .212, .228, .216.

In addition, Jack was able to fire a .3845 aggregate at 200 yards. Though not a record it was good enough to lower the Grand Aggregate for Sporter rifles to .2998. With this new Grand Aggregate Jack broke his own record of .3740 which was fired on July 24, 1970.

Jack used a borrowed (from P.J. Hart) rifle to break the record. It appears that Judy took the car (complete with Jack's rifle) home for warm clothes as the weather was anything but nice. Not wanting to miss a relay Jack borrowed the rifle



Between the 10 match bullets in these two targets, we made a half million just like them.

These are the first and last production test targets from our most recent run of 30 cal., 168 gr. Hornady Match bullets. We think they say 3 important things about the products we make and how we make them:

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and did a fine job with it. We hear that Jack has instructed Judy to do more dumb ?? (we don't think so) things like that at each match.

The equipment used included a 6 x 47 built on a Remington 660 which was sleeved, a Lyman AA20X scope, Hart barrel, 21 inches long with a diameter of 1.150 and 1 in 14 twist. Gunsmith work and stocking was by C.R. & P.J. Hart. The rifle weight was 10.8 pounds. The load included Remington cases, Detsch 70 gr. bullets, 29.0 gr. Norma 203 powder and Federal 200 primers.

Congratulations to Jack for another fine record.

"On The Finale"

Dear Editor,

I have been benchrest shooting since 1958. Most of my shooting has been in non-registered matches, although I have shot in registered matches as well. I accept your invitation to express my opinion about the article "The Finale In Our Sights?" written by an individual known as "A Concerned Shooter." The author speaks of greed. He would do well to explain his own. Personally I attend a match hoping to win, satisfied to do well, most of all to enjoy the friendship of the finest sportsmen I know.

If fortunate enough to win I would be happy to receive whatever the prize might be. The honor and respect of my fellow shooters for having won, is far more significant than any trophy. You cannot expand benchrest shooting by eliminating clubs whose profits seem unfair to a certain few. A club holding matches, is what will make the sport grow.

In 1970 I won a piece of cloth — just a small round piece of cloth. Written on it is Top Twenty Light Vamint 1970. Let me tell you no amount can buy this small round piece of cloth. Until a shooter has this sort of feeling I doubt if enticing the monetary value of awards of any club will expand our shooting game. Let it stay just that, a game. But don't play unless you are happy with it. As it is. There have been far too many changes already.

Sincerely,
Ken Viara

"The Editor's Hour"

IBS REGISTERED MATCH

The South Creek Rod and Gun Club will host a Light Varmint and Heavy Varmint match on Saturday and Sunday, October 13 and 14. Starting time will be 8:00 a.m. This registered match was decided too late for inclusion in the August issue. We hope you will be able to make plans for attendance at this fall shoot.

* * * *

Acting on a suggestion from a competitor, Precision Shooting is going to offer a binder for the magazine. It is felt that this will be a worthwhile addition to any collection as one year can now be kept in one cover.

The covers will be in a green suede plastic with an appropriate emblem printed on the hinge and on one side of the cover. The spring wire holders are supplied and the binder will be shipped in a cardboard case.

To place your order send $3.25 per cover to Precision Shooting, Box 6, Athens, Pa. 18810. Delivery may not be immediate at first but should improve with time.

We hope you will like this reader service. Please share your reactions on this with us so that we may serve you better.

* * * *

As mentioned last month, the proposed meeting of Homer Powley, Bill Davis, Bob Lutz and myself to test some rifles and loads on the Original Pennsylvania 1,000 Yard Br. Club, Inc. range came off as planned on August 6th. The results will be compiled and digested for future use but basically the work consisted of lots of chronograph testing at both the muzzle and at 1,000 yards.

This is the first time (as we can determine) that a bullet was chronographed at the time of departure and at the target using the same round. Many tests have been done by firing one shot at the muzzle and one at the target to obtain velocities. For this test the check was made on each round at each distance. A pair of Avtron chronographs were used with one being adapted to operate with special screens at the 1,000 yard mark. The 1,000 yard screens were 4 feet square and this allowed for successful hits when prevailing conditions would have caused misses on smaller screens.

One of the rifles tested was the 30-06, with FA 60 match ammo as a control. The performance of this is well known to the men who were doing the testing as they have worked with it often in the past.

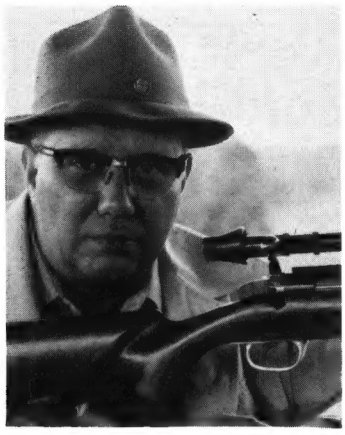
A pair of 7mm Rem. Magnums were used with both the 168 gr. Sierra bullet and the new 162 gr. Hornady. This proved to be most interesting and may be the basis for further comment at a later date.

The list of rifles included a 300 Win. Magnum, and, of all things, a .243. All produced results which are valuable. Watch for the reporting, in-depth, on this day of long range chronographing.

Judging from the efforts produced on this particular test, and from previous experience (some) with my own chronograph it appears that the reloader-shooter can produce ammunition which is supurb in nature and will give all the accuracy that we are capable of squeezing out of our equipment at the moment. I would go so far as to state that I think a good load could be obtained from chronograph results without ever shooting on target till the chronograph work was finished. I will try this and report back on my success. From initial reactions it is possible.

One thing can be stated with a large degree of certainty. Care in reloading such as matching cases by weight, selection of bullets, and fussy measuring and weighing will aid in the smoothing out of velocities and this must surely aid in accuracy. Take heart in that all of your added hours at the bench

(Continued on Page 27)

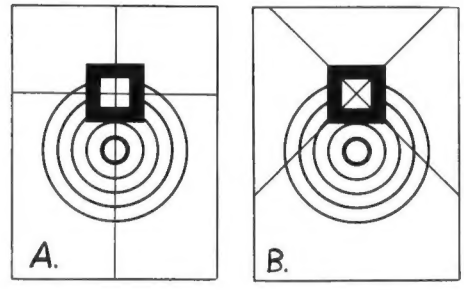


Gadgets & Gimmicks

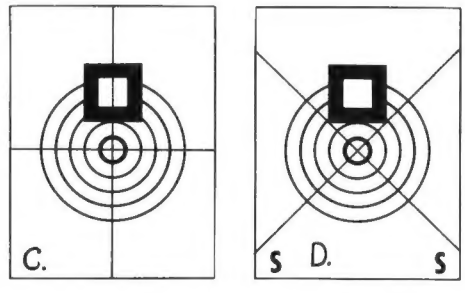
by Bob Pease
P.O. Box 787
New Braunfels, Texas
78130

When a shooter reaches that age or stage in life that he graduates to bifocal glasses he has his work cut out for him if he wants to stay in the shooting game. Many pistol shooters give up the ship completely and skeet and trap shooters suffer a sizeable drop in their average scores. While the benchrest shooter may be fortunately effected less than any of the others, he does, never-the-less, have some problems in store for him. If nothing else, his age and the status of his eyes have reached the stage where he just doesn't see well anymore.

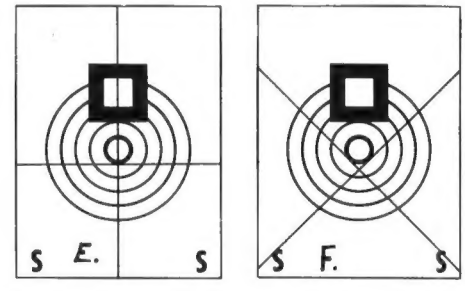
Having lived through just such a transition period the past three years I've had a good bit more trouble holding my aiming point on the benchrest target, especially at 200 yds., if there is mirage or under definitely dull conditions. I've tried about every remedy and suggestion that I could get from some of the older shooters and still there seems to be a problem. Some time ago I got an idea after trying a special sighting in target that was printed with the usual box standing on it's corner rather than in the conventional position. Since one cannot use his own targets at a match why not turn the crosshair reticule over so it would intersect either the white box or the X-ring on the diagonal instead of the conventional. It was easy to try out as all one has to do is loosen a scope in it's rings and rotate 45°. This would not be a practical solution as elevation and windage adjustments then function on the diagonal thus complicating scope adjustment. However it sure is an easy way to see if it will help you hold your aiming point better at 100 and 200 yards.



Upon conducting the first experiments with the scope rotated I was much impressed. As shown in the accompanying illustrations 'A' and 'B' quartering the box is much more easily done with the diagonal reticule than with the conventional. If you doubt this think of how you would locate centers in a piece of square stock and you will readily realize the advantage. Not only do you have a reference as the crosshair enters the corner of the white box but again when it comes out of the black box in true intersection with the 90° corner. This appears to have a definite advantage for my eyes at 200 yards in particular.



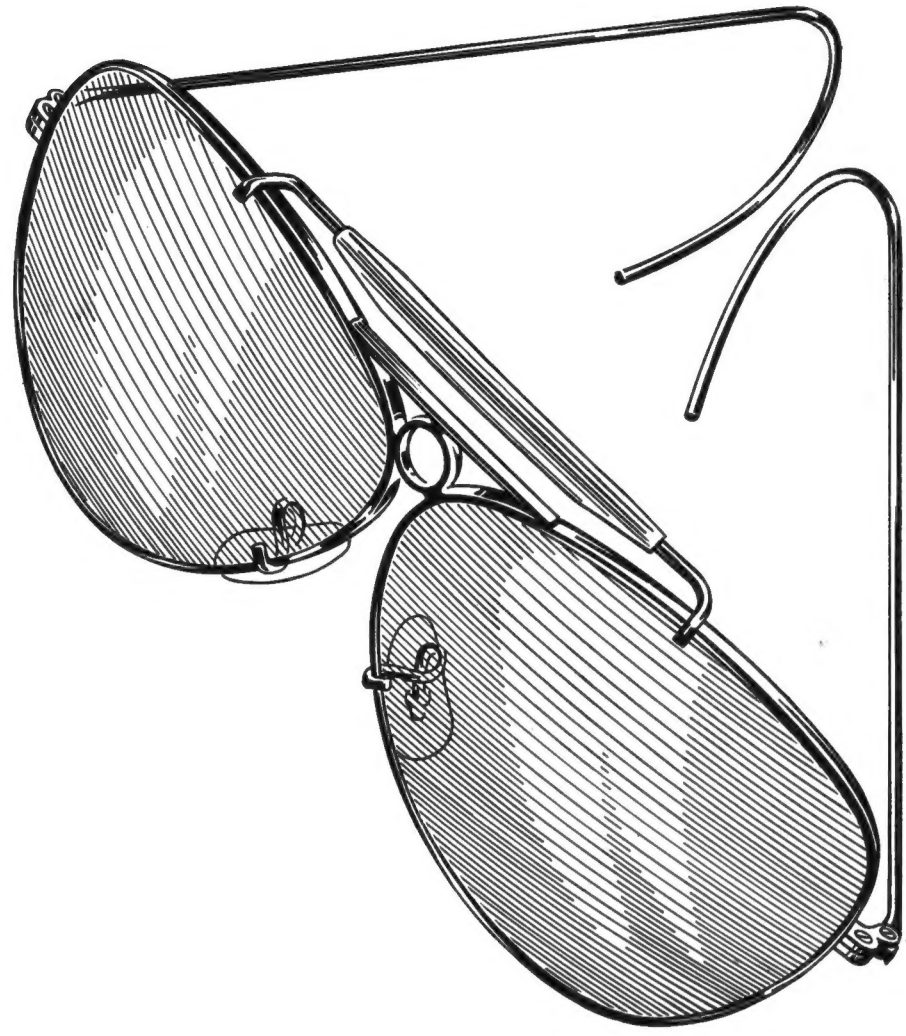
The hold shown in Illustrations 'C' and 'D' would seem at first glance to be almost a tossup. After considerable experimenting I did feel that the wedges might be a bit easier to balance in 'D' as opposed to the conventional but I wasn't completely sure of this. Still not satisfied at 100 yards I tried the hold shown in Illustration 'F' and found it to be a natural for me at 100 yards. Just about like putting a piece of round stock in a set of 'V' blocks. As compared to the 6 o'clock hold favored by many as shown in illustration 'E' appears to my eyes that the Vee block hold can be done more precisely.



After some initial experimentation with these techniques I approached the "scope converter man", Wally Siebert and found him only too willing to turn the reticule in my Lyman AA Siebert converted scope by 45°. This of course leaves the elevation and windage adjustments to function in their normal manner while using the 45° diagonal crosswires. Siebert will rotate the reticule cell for a very nominal fee when converting a scope and a reasonable fee without any conversion. If you've been having any eyesight or aiming error problems give this technique some thought and a careful try. Remember it won't cost you anything to

rotate one of your scopes 45° in it's mount rings and see how it looks to you at both distances with the various holds I have shown. It sure won't work for everyone and younger shooters with good eyes will no doubt scoff at the idea. Take solace in the fact that, someday, they too will be looking for all the help they can get in our game which is so dependent on seeing what you are doing!

Our gadget this month is called the 'Magnifier Plus' by the Geo. A. Robinson Co., Inc. of East Rochester, N.Y. the people who make this and several other shooter oriented items. Too often we clean primer sockets and chamfer case necks without looking at what we are doing. By mounting the primer pocket cleaners and a case chamfering cutter on the outside cell of the 2 inch magnifier the Robinson Company has combined several useful items with a good quality magnifier to permit quick and easy inspection of both the case necks and the primer pockets and flash holes. The accompanying photo shows the case chamfering tool in use with the large primer pocket cleaner mounted 90° away on the perimeter of the magnifier. A very practical idea which may help us all to watch a bit closer our inspection techniques. The Robinson Company also makes a light weight gun rest suitable for in the field varmint hunting and a flexible cleaning rod which would prove invaluable to 'pack in' type of hunting trips.



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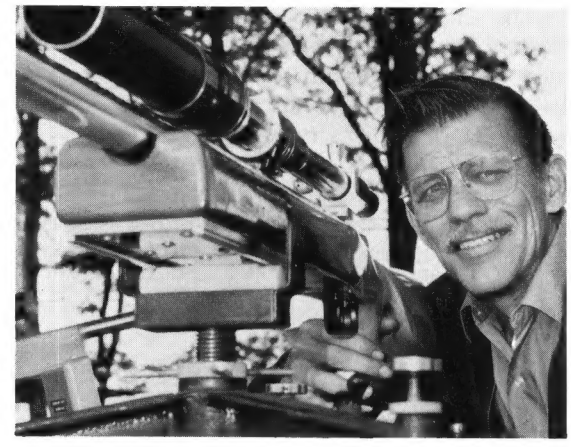

by Lt. Col. Rick Hornbeck
R.D. 1, Box 51
Pine Bush, New York 12566

THE REFEREES

Few shooters truely understand the meaning and responsibility one feels when acting as a Referee at a match. Your first time at this job when a competitor's target is questioned by the scoring crew and it becomes necessary to disqualify a target, it isn't the best point of your day. Usually you feel rotten about the whole thing. About the only time you don't is when it is apparent to all three ref's that somebody was trying to get away with something. And, I'm sorry to say, we do have that kind in our flock. By the grace of God, 99 99/100 of our folks are straight shooters.

In the heat of a relay when conditions are sporty or we have some sort of outside influence, we can often get wrapped around the axle, and before we think about it, we have pulled some dumb stunt that causes a disqualification. After being a ref at one match or another during the past 13 years, I'd like to review some of the situations that are quite common that can cause you, the competitor, trouble. And don't think it can happen to just the Johnnie-come-lately. I have had the questionable distinction of disqualifying a gent who was a nationally known championship winner the year I was born and who was about to win a National Championship Match. One shot short in the record group. Quite frankly, all three referees were ready to take the ole gas pipe. But the competitor in question took it with the attitude of a top shooter and champion, and it's this kind of gent that makes the ref's job bearable.

After your relay, the target crew gets in the act. And right here you'll find out something you might not have thought too much about. The target crew, in addition to getting up the new relay of targets and backers, also has the responsibility of checking backers for the right number of shots. Usually, they will call the referees to the target frames for a check before they remove anything questionable. This is mighty important if there are too many holes in one backer and not enough in someone elses. The target crew and referees can, right at that point, prevent a disqualification for one shooter and a larger than earned group for another. If all backers have the right number of shots but one, there isn't much point in holding up the works while the ref's go to the target frames. Their work can be done in the scoring shack.

The scorer will glass the backers and in a number of cases will pick up a double hole in the backer. But if there is any doubt at all, the ref's are in the act.

So we come to our first popular method of blowing the ball game; not shooting the right number of record shots into the record target. How to prevent it? There are a number of ways, Best one I've found, copied from some old heads when I first got into the game, is to have a compartment in your loading block into which all fired-for-record cases go. When there are five or ten, as the case may be, in our compartment, we've shot our record. The opened top of a "Case Guard" box works great also. If you're the type that never goes back to the sighter after the record group is started, the chances of not getting the right number of shots into the record target is somewhat less. But the above habit is still a good one. Try it.

There are three referees at a match and all three usually are also competitors. So that everyone at this match has a fair shake, if one of the ref's targets or backers is in question, the range officer acts as a referee so that as a competitor, the questionable ref's targets are not judged by him.

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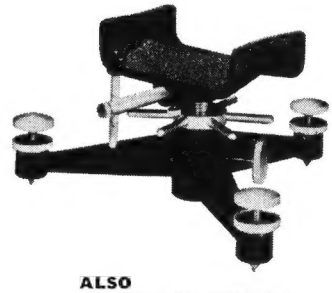

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Now let's cover those items I call, getting wrapped around the axle. On the way to the line, you bumped your scope a good one and didn't know it. You line up on the sighter and turn one loose. Low and behold, there's a bullet hole in the record target! Stop right there. Now, you might have missed the whole target frame and that shot is a cross fire. You don't know. But don't shoot another shot. Go to the ranger officer and report it. If the shot fell in "no man's land" between the record and sighter target, the same course of action is a must. The range officer will scope your card, note the shot, and you're back in business. But for gosh sakes, don't put another one up there. Get your gun sighted back in before you shoot at that card again. At most matches, somewhere on either side of the frames is a sight-in target. Use that, get your impact settled down, and then have a go at it. The range officer will be more than happy to help you get your stick sighted back in. Just ask him. If you don't report it, you're going to buy that shot for a big group or, if it falls outside the sighter boarder, a disqualification. Report it, and it cost you nothing but some trouble and time.

The next axle wrapper is the cross fire. I can see two medieval troops with their bows and arrows from the top of a wall yelling at each other that the other cross fired on "his" enemy target down below; that's how long this has been going on. When I hear someone near me yelling about a cross fire on his card, I get a chill. I start counting fired cases and holes in my target. It can happen to anyone. So, if you did, what should you do? If it's on someone elses sighter, no harm has been done except shake a few folks up for a minute. If it's on his record, you're not in deep trouble if you do something about it. The same is true if you discover you have cross fired all by yourself. Stop. Go to the range officer, let him scope your card and the crossfired card. After he has identified the shot, go back and shoot the remaining shots on your card, but do not fire any additional shots into your record group to bring it up to the full number. In other words, in shooting a five shot group, shoot only four into your record. Your cross fire will be transposed from the cross fired card to your card and measured. To this will be added .250" on a 100 yard card, .500" on a 200 yard card. You're going to have to go like the devil to get well, but you're still in the ball game.

It stands to reason that if you shoot long enough you are, sooner or later, going to have some gun trouble. We hope you had powder in all your cases, and if you didn't, you'll have to work that out for yourself. I've made the mad dash back to the loading bench, pulled bullets, dumped powder and seated bullets again, then the run back to the bench and fired a to-hell-with-the-sighter group. Since then, I keep a stand of back-up brass loaded for the next time it happens. By the way, it was a darn good group.

But firing pin, extraction, etc. trouble can really eat up the time. Or for some reason you can't get a bullet hole in the target. This happened to a young man at a recent match. Lacking experience, he used his time trying to get a shot on paper with a loose scope. Wish he had let someone know. I stood not far away with a rifle and stand of brass that would have gotten him through that relay. Again, if you're in trouble, tell the range officer. Someone will help you and probably your biggest problem then will be too much help from too many people. You may feel kind of lonely up there on the firing line with your problem, but there is help all around. I've seen a competitor shooting next to a gent in trouble fire his record group in a hurry, pass his rifle over to him so that he could finish before time ran out. Bench shooters are really great people!

That's about all on the common boo-boos. There are lots more not so common items that come up, but each has to be considered by the ref's. One thing is for sure. I have never ref'ed with anyone who's attitude was anything but for giving the shooter the benefit of the doubt if doubt existed.

So, the referees come up with a reading and you find yourself disqualified and you know darn well they are wrong. The rule book has protection built in for this situation. You may protest the findings of the ref's and make an appeal to higher authority. Take pencil in hand, you don't have to be fancy, and write an appeal with your side of the story. Get it, and three bucks into the hands of the range officer that day. It will end up with the Board of Directors, IBS, and if they agree with you, you get your three bucks back and your scores are official.

Lots of times the ref's have to come up with a finding that they don't like, but they have to live with the rule book. Usually, when a target or backer is in question, they don't know who the competitor is until they have made a finding, which is the way it should be. You just have to be a bad guy sometimes as a ref or as a range officer. But just remember that the range officer and the referees have quite a monkey on their backs from time to time. Take in the referee school held periodically and take on the responsibility. It can be rewarding, and sometimes, quite a ball of wax.

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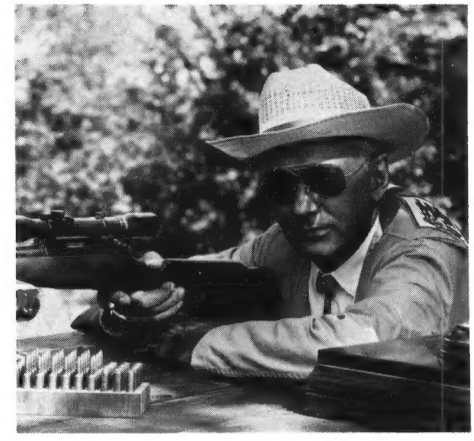
M.H. Walker
Technical Editor
R.D. 1, Warren Road
Mohawk, N.Y. 13407



It pleased me to have the opportunity to meet you at Pine Tree. I am only sorry that circumstances kept you from staying for the competition. For my part, I enjoyed it all very much however well or poorly I scored.

I opted to shoot the Hunter Rifle I'd built in the light varmit class. I was very thrilled to shoot a .312 for the 100 yd warm-up. Certainly not a great group compared to Dan Hufnail on my immediate right who got the small group of .128" (or was it .138"?). Still with a .250 Sav and without the benefit of "competition" grade bullets. . . . In any case, I think my problem is reading conditions — but that's another matter.

I should be grateful for your further indulgence on my part in that I've decided that I really ought to have a light varmit/sporter class gun and while I'd been pretty strongly inclined to the 6x47 — now I'm given to wondering about the 6mm International, which I think is also one of your 'creations.' If you will give me some pro and con comment on it sort of in comparison with the more successful or popular 6x47, it surely will help me to decide on which caliber I should build another gun.

And, if you have a data sheet on the 6mm Int'l you could let me have. . . .

Too, I wonder if you'd let me know if I'm wasting my time when I straighten bullets. In one of your responses to the never ending loading for accuracy questions you indicated that a total indicator reading of .002" was about a permissable limit of runout when spinning the finished cartridge. About 95% of mine are within this tolerance, but I straighten them all to under .001 in fact for the .222 I go to .0005. It occurs to me that perhaps there have been some tests run on this and I'd like to know what the results were.

Again, my real appreciation for the help you offer on these matters that I can't seem to get answers to elsewhere.

Mr. Ron Whitaker
Sojourns International, Inc.
161-10 Jamaica Avenue
Jamaica, N.Y. 11432

Enclosed is a data sheet on both the 6x47 and the 6mm International. The latter is not recommended for competition against the 6x47.

My own personal experience with bench rest calibers, extending back to 1947, indicates that cartridges using the large primer and relatively small light bullets such as the 6mm Int., the 22-250, the Wasp and its variations in 6mm, are not as consistent from day to day as the cartridges using the small primer.

Theory on the reason for this has been proposed by several shooters having drawn the same conclusion. This is that small, light, bullets with relatively small powder charges are too easily affected by the variations in the large primer especially during the hot summer days when most of the competitions are held. When case size and bullet weight and diameter go up to about .308 size, this effect seems to be less prevalent, but may still exist.

All of the 6mm cartridges are difficult to really get going well. A large portion of this is the lack of consistently uniform bullets. Good bullet jackets are hard to come by. So the shooter who makes his own bullets is not in the best position either.

Both of my 6x47 rifles, a Sporter and a Heavy Varmint now seem to be shooting again using the latest Detsch 70-grain and about 28.5 grains of Norma 203.

M.H.W.

RANGE OPERATION

For some time I have been wanting to get some bench rest activity started at our local club. I have found a kindred soul and we intend to try and get something off the ground.

Since we do not have moving backers we thought a varmint-type match would be best with one shot to a target.

We would appreciate, if possible, step by step instructions on how to go about setting up a match like this. Please assume only that we have some benches (two at 200 yds.) and 100 yds. of space. We have to know what targets, where to get them, how to score the various calibers, etc. etc.

Richard J. Weaver, M.D.
St. Mary's Hospital
1230 Baxter Street
Athens, Georgia 30601

Since you have only the basic range, it is suggested that you start with the Hunter Class. This requires only 100-yard target frames and benches. You can purchase Hunter targets from R. W. Hart, Match Chairman, International Benchrest Shooters. The dope is in the Precision Shooting magazine. These targets have five bulls for record and one sighter bull. One shot is fired at each record bull. Other rules which you may eventually require are included in the IBS Rule Book which I am asking Donalee Stekl, Recording Secretary IBS, to send you.

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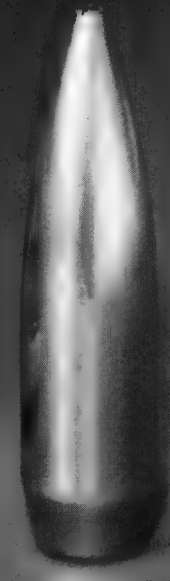

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Judging from your letter, you plan to start informally. This requires only the shooters, their rifles and ammunition, and the targets. The shooters can hang and collect their own targets. Just make certain that adequate safety rules are observed. Most ranges require that rifles be removed from the pedestals when people are down range. It is also wise to require a "bolts open" rule be observed at all times except when at the bench shooting.

Hunter targets are scored in the same manner as any target for score. The highest value is scored which the bullet hole actually touches or cuts.

If you plan to get into group shooting with varmint rifles it is suggested that you attend one of the scheduled matches listed in Precision Shooting. Greenville, S.C., is probably the closest active range for you.

It would be almost impossible to describe the details of running a formal varmint match without your first having attended at least one match for the purpose of assembling preliminary details. Basically you will need:

1) A statistical crew of one or more people who score, measure, and record the results for each competitor. To have the results ready soon enough to satisfy the competitors after the shoot is completed requires lots of work and planning. When aggregates of a day's shooting are required, good statistical crews keep a running total of the groups shot by each competitor. This makes it easier to pick the possible winners in advance. It also reduces the time involved in determining the day's aggregate for each competitor. It is only necessary to add the last group to the total and divide by the total number of groups to obtain the day's aggregate.

2) A target crew, generally of two or more people, who mark the targets in advance with competitor number, bench number, and match number. It is sometimes advisable to also mark the relay number and rifle class if more than one class is fired at a shoot. Ordinarily the competitor number determines the relay number.

3) A range officer who runs the firing line. The range officer calls the relay to the firing line making

sure that the competitors keep their rifles off the pedestals until the target crew has completed changing targets and has returned to the firing line area. He keeps track of the time per relay and calls out the commands, "ready on the right", "ready on the left", "ready on the firing line", "load and lock", "commence firing", at which point he starts his stop watch. At the time when two minutes remain he calls out "two minutes", and if competitors are using all of the time due to conditions, he may want to warn them later as required. At the end of the time he commands, "cease firing — remove your rifles from the benches." He also keeps track of reported cross fires etc. and in general keeps order on the firing line. For this reason he does not have time for long conversations with other competitors, etc.

4) Tournament officers and referees. The tournament officer does everything possible to see that the shoot runs smoothly. He may also take on such duties as recording the entries and collecting the money, making out the competitor tags which the competitors draw at the time of weigh in and rifle inspection. These tags are made out with the competitor number, relay number if necessary, and bench number. At the time the competitor makes out his entry blank he chooses his relay, first come first served. At the weigh in and drawing for benches the relays are called one at a time and each one is completed before the next begins.

5) Match Program for advertising purposes and to send to possible competitors in advance. This program should state the price for entry, the sequence of shooting, if more than one rifle class, beginning time, and a good description of the prizes to be offered.

6) Match Report. After the shoot is over, the statistical data for each competitor is printed in tabular form and mailed. The mailing of the match report should occur within a few days of the shoot, but certainly not later than 10 days after, if you value the good will of the competitors.

There are many details which have not been covered here. Attend a match and accumulate some specific questions.

M.H.W.

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LETTER TO SINGLE SHOT RIFLE TECHNICAL EDITOR

In an exchange of correspondence with Mr. Geo. M. Fullmer, 2499 Mavis Street, Oakland, Calif. 94601 anent single shot rifle shooting and their bullets. I feel his last letter to me has a lot of food for thought. My reactions to some of George's statements are shown in italics.

July 9, 1973

Dear Rod:

You single shot rifle shooters using lead-alloy bullets seated into the bore ahead of the chamber will be limited in your group size until you are able to fire as fast as we metal jacketed bench rest shooters do when we see a "condition." Right now your accuracy is what ours was 15 years ago when everyone was taking lots of time and watching for a "certain condition," and then crank the shots through before this "condition" changed. The original "condition" never returns! Your methods are quite slow compared to our fixed ammunition shooting.

At this time it would seem that as far as present bullet systems go you have achieved practical accuracy. I certainly will not complain about the groups you shot and published in the August, 1970 issue of Precision Shooting magazine. *(I feel we have gone about as far as we can until our grooved lead-alloy bullets are improved — Rod)* Today the object is to win matches, and they are not shot on necessarily GOOD days or optimum conditions. They are shot when the program states and under conditions then existing.

If one is able to connect a long "condition" period, and bull his shots through, always looking for the switch which is certain to come, he will shoot a better group. The faster one is able to complete his group — using his head — the smaller the group will be due to his more consistent conditions and NOT to the **PURE ACCURACY** of his outfit.

Despite your advice to keep away from fixed ammunition and chambers, it would seem to me that using the turned neck and close tolerance neck and body dimensions that we do in jacketed bullet bench rest shooting rifles and a wide banded bullet as Ideal No. 311206 with a nose pour mould one should get accuracy. *(I had stated to George that I did not feel that it was mechanically possible to get a fixed loaded bullet lined up with the bore from the chamber as well as one that is accurately seated into the bore ahead of the chamber — Rod).* In a .30 caliber with front bands diameter .299-300" and the base band .3085" diameter X .125-inch long, seating the base band into a reamed inside case neck diameter of .3085 inch. Would have in mind using one of Clyde Hart's fine barrels with 8 lands of .025" width and a turn in fourteen inches, uniform twist. *(Carl W. Johnson, Jr., Star Route, Ellsworth, Kansas, 67439 has been experimenting for a number of years along these very lines and has had remarkable success. He gives his results and how he obtained them in the No. 41, January-February, 1973 issue of THE HANDLOADER magazine — Rod).*

Most shooters bow down to Dr. Mann, and I should like to quote from his book **"The Bullets Flight,"** page 122: "The 'putty-plug theory seemed to indicate that if a bullet was alloyed harder than pure lead it should have its x-error more or less reduced; but unremitting tests, year after year, demonstrated that a pure lead bullet, bore diameter, with black powder, outshot all others when using any of the seven .32 caliber barrels that we tested. Every attempt that could be imagined was made to overthrow this conclusion, viz: that the bore-diameter outshot every other bullet, but without success. All manner of bullets that could be suggested with any plausible reason, or no reason at all, were tried without success. In all instances, without a single failure, the pure lead, bore-diameter one would show up as the one for accurate shooting.

"The contention here is not to prove practicability, but to indicate that preceding record tests show soft bullets with black powder did outshoot, when care was taken, any alloyed one."

Believe your best bet or answer to the bullet problem is to swage them; without grease grooves. One could very easily make up a swage such as our core sizing swage, use the present top pour (nose pour) nose shape and swage the bullets base band style. *(Personally, I would rather go to extruded lead wire instead of*

(Continued on Page 18)

From the oldest maker of metallic and telescopic sights in the country:

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Random Shots

by Betty Summerall Duncan
8630 Olin Street
Los Angeles, Calif. 90034

It was a long time coming, but when PRES KENDALL finally made the CRITCHFIELD 3200 CLUB, it was dramatic, to put it mildly! With his leg in a cast, he fired a winning 1600-142X Metallic Aggregate over 1 1600-117X by **Greg Connor** of the Marine Team from Quantico, the first day of the Knoxville 3200. That just happened to be the week-end when tornadoes, torrential rains and high winds were rampant throughout the southeast and that area of Tennessee. The front zeroed in on Knoxville during the any sight matches, blowing down trees and targets, the downpour all but obscuring visibility at 100-yds.

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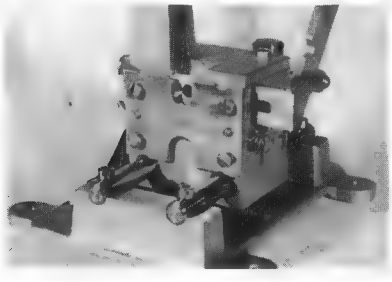

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As the 24th **Critchfield 3200 Club** member, it is not likely that anyone will dispute Kendall's claim that he fired Critchfield 3200 No. 32 "under the worst conditions of anyone".

Connor was caught for 3 points at 100-yds and finished second. **Jim Hinkle** placed third, having six down . . . Hinkle, incidentally, was a friend indeed, changing targets for Kendall in the rain.

Major Hinkle, top honcho of the UCMCR team, led the attack at 50-meters iron — 400-38X, which looks like a **National Reserve Record . . . Kendall** forged ahead at 50-yds., blasting a trail of metallic sight 400's. Gaining momentum, he exploded the **National Open Record** as well as the **National Service Record** with **40 pinwheel X's** in the **Dewar iron!!!** Hardly slacking his pace, the remaining **100-yds.** was covered at 400-35X . . . clocking a **1600-146X Metallic Aggregate!** And, Army **Major** PRESLEY W. KENDALL had done it again!!! Hearing that former Air Force shooter **Tom Whitaker** was lonely as "king of the hill", Kendall determined to make his way up and keep Tom company. After all, it was once "his hill", by virtue of his 1600-144X, until Steven Kern pushed him off with 1600-145X then, in turn, lost his footing when a pack of vicious Wildcats replaced him with their Tom (cat) last March . . . In addition to co-holding the **National Open Record** with **Whitaker, Pres Kendall** established a new **National Service Record** for the **Metallic Aggregate.**

Kendall was spurred on by his loyal and stalwart friend, Hinkle, who showed no indication of falling back. **Hinkle was No. 2** at 50-yds. —400-35X, the Dewar — 400-34X, at 100-yds. — 400-27X and in the **Metallic Aggregate,** tallying 1600-134X.

Hitting the long range first, Kendall's 400-39X was effective at 100-yds. any backed up by Hinkle's 400-34X. Moving on to the Dewar, **Jim Hinkle** handled his fortification with utmost precision — a 400-40X and a new **National Reserve Record!** . . . Kendall hit the meter at 400-39X, but used the wrong sequence and expert Edwin B. Topmiller, Sr., of Atlanta, was declared the winner . . . They relaxed a bit, coasting in on a pair of 400-35's, content to let marksman Tim A. Edwards of Chattanooga take the final 50-yd. for a 400-37X, the 1st master spot going to J.A. Maroney of New Orleans.

Kendall's 1600-150X was a nice round figure. **Hinkle's** 1600-147X was slightly less rounded — but firm . . . propelling him on course directly into the prestigious club known as the CRITCHFIELD 3200!!! A new **National Reserve Record** was one of the dividends afforded JIM HINKLE as he was welcomed aboard as the 25th member of the Club for his 3200-281X qualifying score.

PRES KENDALL had employed his No. 1 gun, also a standard barreled-Anschutz, with which he won the 1972 National Prone Championship, to improve upon his previous Critchfield possible by 27X's — tabulating 3200-296X, the second highest score ever fired over the traditional course. Although 2X's under Whitaker's National Open Record, **Pres Kendall** left the range — where he had first competed at the age of 11 — with a feeling of satisfaction . . . and richer by having in his possession the **National Service Record** for the Critchfield Course!

* * *

With headquarters at Ft. McPherson, Georgia, Major Kendall is FORS COM (Forces Command) Marksmanship Officer for the Continental U.S.

* * *

Preparation for Perry has been uppermost in the minds of those shooters who had the dates August 4-8 encircled on their calendars. As a testing ground, **Los Angeles Rifle & Revolver Club's** "double header" summer tournament series was ideal. Kicking off with the 17th annual WESTERN NATIONALS—:

"3200 CLUB" members at WESTERN NATIONALS

Western Nationals Champion TOM WHITAKER (left) engages in game of chess, favorite pastime of Olympic silver medalist VIC AUER (right). High Lady MARY STIDWORTHY (left), ALLAN KNOWLES, runner-up; "1600 King" George Stidworthy, and Tom Guerin, who finished 3rd.

Photo by John F. Lane

Tom Whitaker, who was anxious to try out a new stock on which he and Dr. John Demas are collaborating, was greeted by an aggregation of fellow Critchfield 3200 Club members . . . and Mary Stidworthy, 3200 Club "Associate". (Hers was with scope). They were not merely being sociable, you understand. In the wake of his incredible record-breaking marathon at the 1973 Western Wildcats, they were also "welcoming" the opportunity of taking him on.

The National Civilian Champion, after fumbling two shots in the Opening Dewar metallic, synchronized his cadence with the irresponsible wind patterns, dark and changing light conditions. Turning in the only 400 possible in the rough 100-yd. iron, Whitaker began to gain momentum and there was no stopping him. Following his 400-39X at 50-meters, he became co-holder of Tom Guerin and Joe Barnes' National Civilian Record, for which course, ironically, he holds the Open and Service Records of 400-40X! He finished up the metallic matches with a 400-40X at 50-yds. but did not elect to continue firing, preferring to let his Open Record of 400-40X-65X stand.

With his winning 1598-141X **Metallic Aggregate**, it was a foregone conclusion that **Whitaker** had also anchored down the Grand Aggregate. Two points behind were **Allan Knowles** and **Tom Guerin,** totaling 1596-123X and 1596-118X, respectively; also **Alan George,** a junior expert, scoring 1596-112X. **Bob Boydston**, who had the only 400 in the Dewar, aggregated 1595-109X for 3rd Master, edging 1594's by **Vic Auer** and **Bob Findley,** El Paso, Texas.

Conditions during the any sight matches were more conducive to high scores. Winds, although switching, were somewhat subdued and the mirage more readable than on the previous day. Tom Whitaker continued to monopolize the winner's spot at long range, posting 400-39X in the Dewar and 400-38X at 100-yds. It was then that **George Stidworthy**, the "1600 King" surfaced with a 400-40X at 50-meters over Knowles' 400-39X. More than one 1600 went down the tube at 50-yds. during tricky winds which frequently occur at that time in the afternoon. W/O Jim Hill, USMC, competing for the first time since his return from Vietnam, got in step and stayed there — for a 400-40X.

Heading a string of **eleven any sight 1600 possibles, Whitaker** exceeded the "magical" 150-X mark with his 1600-152X, 2X's up on **Hill,** 1960 Olympic silver medalist and former National Prone Champion, who Creedmoored **Knowles.** Their 150-X possibles were followed by: **George Stidworthy** — 1600-148X; **Guerin** — 146X, **Boydston** — 143X, **Auer** — 141X, L/Col **John Raymer,** USAF, Ret. — 137X; **Clark Harris** (junior) — 123X. Experts firing their first 1600's were **George Vartanian** — 134X, and **Steve Wojtak** — 121X.

The new WESTERN NATIONALS Champion was made to feel "at

(Continued on Page 29)

SOUTH PACIFIC SMALLBORE PRONE REGIONAL WINNERS

South Pacific Regional Smallbore Prone Rifle Champion TOM WHITAKER (left) displaying stock of his own design. NANCY WEBB (right), runner-up and Regional Ladies Champion. ALLAN KNOWLES, 1st Master, disgustedly leaning on his rifle butt.

Photo by John F. Lane

National Records Fall

Ellen Ross, Debbie Davies, Schuyler Helbing, Inez Sargeant.

At the Regional Smallbore prone Rifle Match in Houston, Texas July 21-22, the Texas State Association Womens Team composed of Ellen Ross, Inez Sargeant — Houston, Schuyler Helbing — Weatherford and Debbie Davis of Dallas shot a four women team match, any sight at a 100 yds. and the records fell. The match consisted of 40 shots for each woman at 100 yds. with scope sight. The girls fired a 1600-140x out of a possible 1600-160x which is remarkable.

The records that fell were:
Open Division —old record— 1600-128x
Civilian —old record— .1600-128x
Women —old record— 1592-104x
New record for these is 1600-140x

Ellen Ross and Schuyler Helbing firing as a two women team set a new record for the womens 100 yd. any sight two women team. Ellen and Schuyler fired a 800-73x out of a 800-80x possible topping the old record by one point and 19xs.

Ellen Ross, Schuyler Helbing.

The Individual Scores Were:

Ellen Ross	400-38x
Debbie Davis	400-36x
Schuyler Helbing	400-35x
Inez Sargeant	400-31x

Ellen, Schuyler and Inez shot Winchester 52 rifles, stocked for prone shooting. Debbie shot a BSA. All used Eley ammo.

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Single Shot Rifles

(Continued from Page 14)

any kind of cast slug or bullet in order to get away from the voids or air pockets which are always more or less present in a cast slug or bullet. Swaging these will not remove the void or air pocket — Rod). I would suggest a base band .125-inch wide and wipe the bullet all over except the base end with Water Pump Grease or other stiff lube and fire as either seated in the case, or breech seated as you are doing now. In our .22 and 6mm the cores come out very close in weight.

At the present time I am leaning very strongly to the Swaged Dr. Mann type bullet. It would seem that one would start with a pure lead bullet and gradually alter alloy until one found a bullet that did not strip, and was accurate. Bullets to be swaged in a good, strong press. Present bullet moulds with their halves uneven are a source of time loss in shooting with out-of-round bullets, bases not square with center-line of the bullet, etc. Bullets are being, therefore, positioned into the bore, up or down, as cast. *(A bullet out-of-round as cast, is still out-of-balance after swaging or sizing round due to the different density of the metal in the larger diameter areas — Rod).*

As a mechanic I am certain that you will agree with me when I contend in a lead-alloy bullet, as in any other form of accuracy shooting, there is **NO MAGIC.** Generally, there are plain, understandable reasons for certain affects. One can be mistaken in his adding logic or reasoning but if the right actions are noted and analized one can come up with plain, good mechanical reasons for what happens when the gun goes BOOM!.

George M. Fullmer

Please let us know, well in advance, what your new address will be. Send your old address too — even better, enclose the address label from a recent issue. The Post Office will not forward your copies unless you pay extra postage, but we will see that your "Precision Shooting" reaches you, without interruption, if you notify us six weeks in advance of your move. Write to Precision Shooting, Box 6, Athens, Pa. 18810.

When giving your address please add your Zip Code number.

Product Annoucement

Oehler Research of Austin, Texas announces the introduction of several new models for their line of chronographs. The new machines are designed to provide more convenient operation on the range or in the laboratory. All come with a 3 year warranty.

The 10A chronograph is an updated version of the old model 10. It uses a single 9 volt transistor radio battery and the battery will operate the chronograph for 60 hours. Readout is with a rotary switch and meter which reads yes or no for a set of numbers. Each set of numbers will produce a digit for that set. After obtaining the 4 sets of digits, and placing them in order, the operator consults a chart which gives the digit and a corresponding velocity. It is reported that a six year old girl was able to operate the machine with no problems. The machine uses a silver printed paper screen to form the circuit which is broken by the flight of the bullet and the time between breaks on two screens is recorded. The unit, with screen holders, screens and battery is still only $91.95.

The model 11 is similar to the 10A but it uses a polyscreen which allows for more than one shot on each screen. This machine operates with a new conductive material which is installed in a loop fashion around the screen holders. As the bullet passes through the loop it will make a momentary contact which will give the counter its first reading. As the bullet passes through the next looped screen it will make contact and start another reading. This chronograph can be used with larger (11") material for work at longer ranges. Cost for this unit is $99.95 and sufficient polyscreen material for 100 screens is $5.95. The 11" roll will cost $9.95 for a 40 foot roll. Screen holders for the extra-wide polyscreens must be designed by the operator.

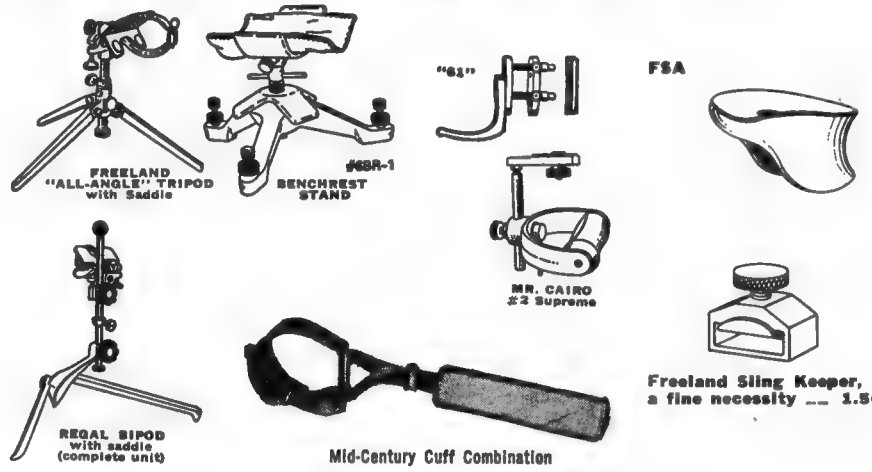
The model 21 features a "Nixie" tube display of the time in microseconds. The tables must still be used to convert time to velocity. The model 21 is designed primarily for use with photo-electric screens or other electronic type sensors. The model 21 costs $350.00.

The model 31 Chronotach has a built-in computer that automatically converts time to velocity and gives a "Nixie" tube readout of the velocity. The computer can be set for screen spacings of 5, 10 and 20 feet. This machine can be used with the shorting type screens or photoelectric screens. Cost is $400.00.

The model 51 Photoelectric Screens are designed to operate with the model 21 and 31 chronographs. The electronic circuit contains an exclusive automatic sensitivity control to compensate for lower than normal line voltage to the lumiline lamp. Screen prices are $300.00 per pair.

For additional information contact Oehler Research, Box 9135, Austin, Texas, 78757.

FOR THE SHOOTER BY A SHOOTER



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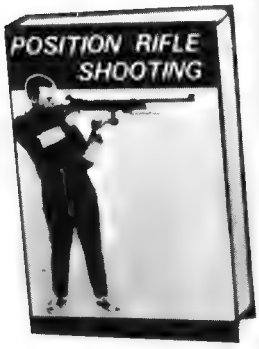

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SHOOT REPORT

COUNCIL CUP RANGE
Wapwallopen, Pa.
IBS Registered Tournament
July 14-15, 1973

To say that everything went smoothly at this match would be overstating it somewhat. The match experienced at least one disqualification caused by a competitor bumping into another and a general feeling that walking on the concrete bench pads was doing very little good for the competition.

In an attempt to correct an obvious problem the Hart family requested, and received, cooperation from all competitors in an attempt to prevent further disqualifications from the motion of the concrete pads as a competitor walked away as he (or she) was finished with a group.

The solution was to hold all competitors on the bench till the time had expired and dismiss them all at one time. This worked very well for its intended purpose and most of the competitors felt it was no handicap. (Ed. note. Being used to this from the Orig. Pa. 1,000 Yard Club, Inc. matches I felt somewhat unusual when I experienced the competitors moving from the benches before the relay was finished and the line cleared.) No further disqualifications took place due to the moving of the crosswires from a jolt on the concrete pad. The cooperation of all competitors in this test is to be commended.

Winners in each category received their awards with pride for they worked hard to master the somewhat new conditions presented by the recent excavation work on the right bank in preparation for an addition of 15 benches to the range.

Shooting well and being in control of things John Eaton won the Experimental class with a .4462 and the Heavy Varmint class with a .3758. Homer Culver won the Heavy Bench match with a .4026.

Small group at 100 yards, Heavy Varmint went to Bob White with a .129. John Chrisman took small group at 100 yards, Heavy Bench with a .294. At 200 yards Charlotte Magnante fired a .298 for Heavy Varmint small group while Melvin Miller captured the Heavy bench with a .526.

Warmup patches were won by Frank Gelety, .223, Heavy Varmint, Melvin Miller, .365, Experimental and John Matyas, .355, Heavy Bench. All were at 100 yards.

The 200 yard warmups went to Homer Culver, .566, Heavy Varmint, Ed Ferguson, .670, Experimental, John Chrisman, .770, Heavy Bench.

Heavy Bench
Top 5 — 100 Yards
(5-10 Shot Groups)

1.	Homer Culver	.4070
2.	Bob Wells	.4212
3.	John Chrisman	.4572
4.	Clint Benedict	.4866
5.	Bill Tardy	.4888

Top 5 - 200 Yards
(5-10 Shot Groups)

1.	John Eaton	.3902
2.	Homer Culver	.3983
3.	George Stannard	.4475
4.	Bill Tardy	.4622
5.	John Chrisman	.4655

Grand Aggregate
Top 5 — 100-200 Yards 200

1.	Homer Culver	.4026
2.	John Matyas	.4454
3.	John Chrisman	.4613
4.	Bill Tardy	.4755
5.	George Stannard	.4888

Heavy Bench Equipment

1. H.L. Culver — .308 Caliber, Culver Action, Hart Barrel, Culver Gunsmith, Self Stocker, 40Gr. RII Load, Own 169 Bullet.
2. John Matyas, Jr. — 6x47 Caliber, 700 Action, Hart Barrel, Hart Gunsmith, Self Stocker, 23.5-4198 Load, Own 70 Bullet.
3. John Chrisman — .308 Caliber, Culver Action, Hart Barrel, Culver Gunsmith, Culver Stocker, 40-GR-R11 Load, Culver 69 Bullet.
4. Williams Tardy — .30 Caliber, Hart Action, Hart Barrel, Hart Gunsmith, Self Stocker, 41.5-4895 Load, 168 Gr. Sierra Bullet.
5. G. J. Stannard — .222 Caliber, Hart Action, Hart Barrel, Hart Gunsmith, Hart Stocker, 21-ReL7 Load, Hollister Bullet.

The Rocky Road To Victory

If you're down on the line and feeling blue,
you shouldn't be worrin' how bad you'll do.
Just peer through your sight
and when everything's right,
squeeze off your shot
and *PRAY* a lot!

When your shot files straight and true,
the others will all look up to you.
But if the second and third aren't the same,
Coach ....., all perturbed, will go, "Shame ... Shame."

There are some whose shots *ALL* fly straight and true
who will more often lift his nose to you.
A warning to you ... Mr. Conceit,
one day you will be irrevocably Beat!

When the time has come for our season to begin,
you'll all be ready to go out and win.
Our team, in a fight, will always be right,
because of our *SPIRIT*, we're full of *MIGHT*!

TEAM SPIRIT, my friends, it is true
will always bring *VICTORY* to me and to you.

By Michael D. Freedman
707 Roessner Dr.
Union, New Jersey 07083

Editor's Note: The inspiration for this is Bob White, our benchrest shooter who also coaches a high school smallbore rifle team. We omitted the name of the coach. Add your own to make it more interesting. Good luck to Bob White and his team this year.

Experimental
Top 5 - 100 Yards
(5-10 Shot Groups)

1.	Rick Hornbeck	.4474
2.	Bill Fisher, Jr.	.4796
3.	John Eaton	.5022
4.	Melvin Miller	.5336
5.	Lenny Kleynowski	.5336

4 & 5 Unbreakable tie

Top 5 — 200 Yards
(5-10 Shot Groups)

1.	John Eaton	.3902
2.	Bob White	.4296
3.	Bill Fisher, Jr.	.4465
4.	Al Handschuh	.4603
5.	Ed Ferguson	.5282

Grand Aggregate
Top 5 — 100-200 Yards

1.	John Eaton	.4462
2.	Bill Fisher, Jr.	.4630
3.	Rick Hornbeck	.4741
4.	Bob White	.4869
5.	Al Handschuch	.5102

Experimental Equipment

1. John Eaton — .308 Caliber, Stolle Action, Garrot Barrel, Stolle Gunsmith, Stolle Stocker, 39-4895 Load, Culver-155 Bullet.
2. Wm. E. Fisher, Jr. .308 Caliber, Rem. Action, Shilen Barrel, Shilen Gunsmith, Fisher Stocker, 48-H380 Load, Sierra-168 Bullet.
3. Rick Hornbeck — .222 Caliber, Hart Action, Hart Barrel, Self Gunsmith, Self Stock, 20.3-4198, Own Bullet.
4. Bob White — 22-45 Caliber, 722 SLV Action, Hart Barrel, C. Mauk Gunsmith, C. Mauk Stocker, 26.5-BallCl Load, Rem.-52 Bullet.
5. Alfred Handschuch — .222 Caliber, Hart Action, Hart Barrel, Hart Gunsmith, Self Stocker, 21-4198 Load, Sierra-52 Bullet.

Heavy Varmint
Top 5 — 100 Yards

1.	John Eaton	.2752
2.	Frank James	.3184

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BY WARREN PAGE
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3. Jack Reynolds ..... .3328
4. Dick Ellinger ..... .3578
5. Bob White ..... .3584

Top 5 — 200 Yards
1. Homer Culver ..... .3571
2. Jeanne Lynn ..... .4311
3. Bob Yerkes ..... .3783
4. Wilson Fielding ..... .3995
5. Doc Rader ..... .4014

Grant Aggregate

Top 5 — 100-200 Yards
1. John Eaton ..... .3758
2. George Stannard ..... .3993
3. Jack Reynolds ..... .4092
4. Frank James ..... .4271
5. Bob Yerkes ..... .4303

Heavy Varmint Equipment

1. John Eaton — 22-45 Caliber, Stolle Action, Garrot Barrel, Stolle Gunsmith, Self Stocker, 22-4198 Load, Culver 75-52 Bullet.
2. G. J. Stannard — .222 Caliber, Rem. Slv Action, Hart Barrel, Hart Gunsmith, Hart Stocker, 21-ReL 7 Load, Hollister Bullet.
3. Jack Reynolds — 6x47 Caliber, Rem. Action, Hart Barrel, White Gunsmith, White Stocker, 24-748 Load, Detsch-72 Bullet.
4. Frank James — .222 Caliber, Rem. Action, Hart Barrel, Hart Gunsmith, Hart Stocker, 21-4198 Load, Rem.-53 Bullet.
5. Robert Yerkes — .222R Caliber, Hart Action, Hart Barrel, Hart Gunsmith, Hart Stocker, 21-4198 Load, Rem.-52 Bullet.

DESERT MARKSMEN
600 Yard Bench Rest Match
Palmdale, California

May 12, 1973

Bob Allgeier put it all together at this match, not only taking first place and the small group trophy, he also received $25.00 cash for a new record group. There was a light fishtailing wind and a very heavy mirage. The .308 win. is still the top caliber in this match as the first six finishers were using it. The first five in the heavy varmint class were:

1. Bob Allgeier 239-8X
2. Jerry Thornbrugh 233-4X
3. Jim Thornbrugh 230-4X
4. Carl Guenther 227-2X
5. Ron Kopacz 224-3X

Bob Allgeier took small group honors with 5 shots in 3.858 inches (.476-M.O.A.)

Only two shooters fired in the unrestricted class. It was Gilles and Alan Vendette in a father and son duel, with young Alan coming out on top.

5 Ten Shot Groups
1. Alan Vendette ... .973 M.O.A.
2. Gille Vendette .. 1.241

Alan also took small group with 10 shots in 3.562 inches (.593 M.O.A.)

GUTHSVILLE
ROD & GUN CLUB
Unregistered Shoot Report

The Guthsville Rod and Gun Club conducts 14 matches per year on their range with an average attendance of 10 shooters. For the eastern shooter who is looking for a good place to shoot this place looks like a good bet. The following shoot report and range description gives some idea of the situation on that club. — Ed.

Our matches are held on Sunday at 1:00, for those who want they can have on most occasions a dinner or at the very least a lunch prepared by the clubs womans auxiliary. Since our club is a multi-function organization the womans auxiliary is on hand to prepare food at very reasonable prices, I might add. So much for the selling of our club.

Our matches are 100 yds. for agg., fee is $2.50 with $1.50 returned in the following proportions, 75% for the winning agg., 25% for small group of the day. We have scheduled 14 matches this year with the best 8 counting towards the yearly agg. trophy. We also give a trophy at the years end for smallest daily agg. as well as smallest group of the year regardless of number of matches fired.

Our remaining match schedule is as follows:

Matches are H.V. or something closely resembling a 13 1/2 lb. gun.

Sept. 9 and 23
Oct. 7 and 21

Directions to the range are as follows:

From North of Allentown coming down NE extension twp. get off at Allentown, onto rt. 22 east, proceed to rt. 309 north, take 309 north for approx. 1 mile, turn left at A-treat Guthsville R&G Club sign onto Jordan Rd. proceed 1 mile turn left onto Hausadahl Rd. proceed .2 mile turn right onto Valley Rd. over one lane wooden bridge, take first left to Club house go around the pond and start shooting. Time from Allentown exit of twp. to the range is approx. 10 min.

Gary Ocock
President
Guthsville BR
Shooters

Heavy Varmint Benchrest
Match Results
May 6, 1973

1. Dave Kranch, Agg. .3800 Cal. .222 700 Slv. action, Hart bbl., Red. 24X Load 20/4198 Ocock 50.5
2. Bob Yerkes, Agg. .3882 Cal. .222 Hart No. 3 action, Hart bbl., Lyman 30X Load 21/4198 Rem 52
3. Dr. Lewis Know, Agg. .3884 Cal. .6-47 Hart No. 3 action, Hart bbl., Lyman 30X Load 24/4198 Detsch 65

Small Group of the Day - Bob Yerkes .197

Shooting Conditions: 68 degrees, heavy mirage with light switching wind.

June 10, 1973

1. Dan Mershon, Agg. .2750 Cal. .222 700 Slv. action, Hart bbl., Lyman 30X Load 20.5/4198 Rem 52
2. Dave Kranch, Agg. .3042 Cal. .222 700 Slv. action, Hart bbl., Red. 24X Load 20/4198 Ocock 50.5
3. Gary Ocock, Agg. .3180 Cal. .222 Hart No. 1-A action, Hart bbl., Siebert 25X Load 21/RL-7 Rorschach 50.5

Small Group of the Day - Gary Ocock .165

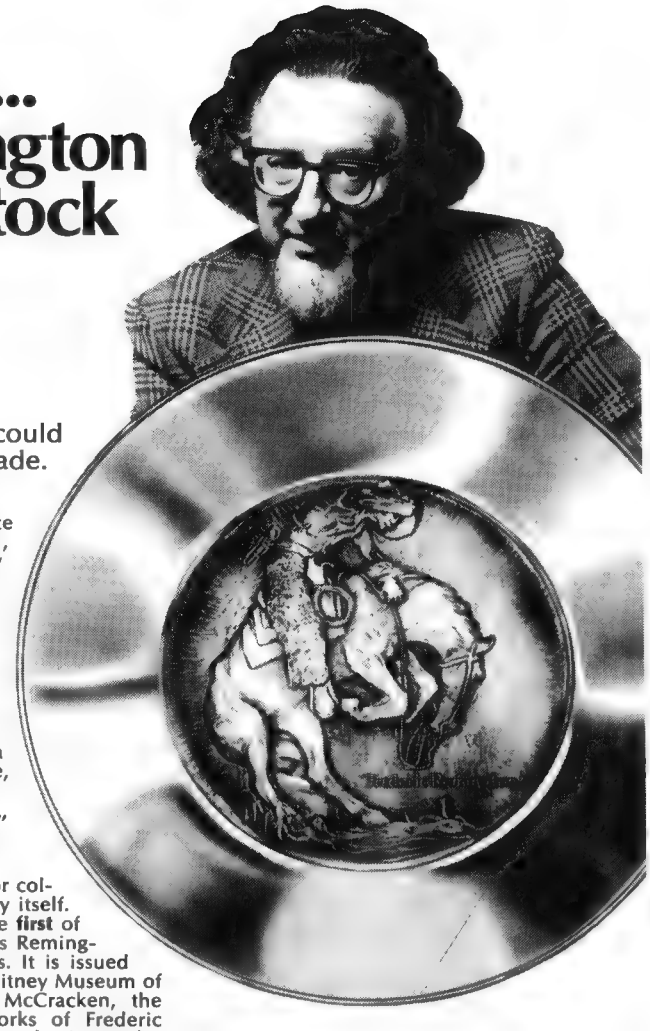
Shooting Conditions: 90 degrees, med. mirage with light wind.

Dan Mershon did a fine job of shooting. He was very consistent keeping all five groups in the .200's.

July 8, 1973

At our seventh match of the shooting season Dr. Lewis Knox won his first match of the year and he did it in a most convincing

Take it from an expert... Owning a Frederic Remington treasure is like owning stock in America.



This sterling silver salver could well be the wisest investment you ever made.

My name is Reese Palley and it's my business to know fine art. For over 20 years now, I've been selecting accretive objects for a small circle of clients and friends. The objects I have selected have consistently gone up in price and have become rare and scarce. I have been right more times about objects art than I could have been expected to.

Collectors trust me to find those American artists whose creations will be in demand and whose future value will exceed their present cost.

This beautiful Remington salver is my latest "find"

It meets, and even exceeds, the criteria I use in evaluating an object's present and future worth. It is distinctive. Exclusive. An example of fine contemporary workmanship. And, the work of a truly great artist. It will delight your eye and sensibilities.

I have recommended the Remington salver to clients as one of the year's best investments.

Time has proven that there is no more important artist in American history than Frederic Remington. His works are today commanding prices in excess of 6 figures. His sculptures and paintings define the spirit of the early American West as no other artist ever has. Remington's animated portrayals of horses set a new trend in art. He was the first to make these spirited creatures appear as lithe, flexible, and alive in his works as they are in nature.

The Remington salver as an art treasure

I think this is perhaps the first serious work of contemporary art to be minted in the form of a silver salver.

The workmanship that has gone into accurately replicating the Remington sculpture is impeccable. The image is struck in high bas relief at the center, flaring out in the shape of a gold mining pan.

This is no ordinary work. The salver is big—a full 10 inches in diameter. And it contains 22 ounces of solid sterling silver. The entire work is so perfectly weighted and balanced that you must hold it in your hands to fully appreciate the exquisite workmanship and detail.

Oh, yes, this unique salver is struck on both sides! The reverse shows a composite bust of the artist, his signature and a replication of one of his Indian paintings, "Conjuring Back the Buffalo." Truly it is a magnificent, lasting tribute to our American heritage.

Small private edition insures accretion

The salver, produced by the Geo. Washington Mint in cooperation with the Whitney Museum of Western Art, has been limited to an exclusive edition of only 9,800 pieces. (One of my main considerations in evaluating an edition is its size. I consider 9,800 the optimum number for insuring future scarcity and accretion.) To further enhance their value, each plate is individually numbered, and hallmarked as to purity of silver content. The edition size is verified and guaranteed.

Each high relief sculptured salver is packaged in a specially designed, handcrafted presentation case. Comes complete with a document of certification and provenance, and a folder describing the image, the artist, and his work.

The first "Beautiful Object" for collectors of minted silver objects

This "beautiful object" for collectors is really in a class by itself. The Remington salver is the **first** of the Geo. Washington Mint's Remington's American West Series. It is issued in cooperation with the Whitney Museum of Western Art. Dr. Harold McCracken, the leading curator of the works of Frederic Remington, personally chose the image for this minting.

Historic accuracy and detail have been insured by the manner of striking—it is in the same style which Remington applied to his larger full-size sculptures.

This verified edition, which you can have at the original issue price of just $250, represents a very small price for a fine authentic example of this great artist's work.

All of these considerations lead me to believe that the Remington salver will maintain its value over time and become a repository of value—an heirloom to pass on to future generations.

Now is the time to put money in objects which have demonstrated a record of accretion

When you stop to consider how little you get for your money these days and how little you have left to show for the money you spend, you must come to the same conclusions that I do... that it is time you put some money in objects which have demonstrated a record of accretion.

This is one object that I can almost guarantee. In fact, I am so impressed with its quality—and am so sure you will feel the same way—that I am willing to put this exquisite object in your hands for 15 days. If at the end of that time, you are not fully convinced as I am of the worth of this salver, then I will refund your money.

I suggest you place your order today. The edition is, after all, small—and I know there are a great many collectors who desire it for their fine collections.

Reese Palley

1911 The Boardwalk, Atlantic City, N. J. 08401

FILL IN AND MAIL THIS COUPON TODAY.

Mr. Palley:

I agree with your evaluation of the beautiful Remington salver, and would like it for my collection at the original issue price of $250. I understand that if I am not completely satisfied with it, you will refund my money—in full—within 15 days.

Name _____

Address _____

City _____ State _____ Zip _____

☐ Charge to my credit card account:

American Express # _____

Diner's Club # _____

Bank Americard # _____

Master Charge # _____

Expiration date _____

☐ My check or money order for $250. is enclosed.

Signature _____

Reese Palley, c/o Precision Shooting
Box 6-N
Athens, Pa. 18810

fashion. His agg. was a .2706, with the third and fourth groups measuring .176 and .177 respectively. Making this even more spectacular the two groups were shot with two different guns. The .176 was shot with a H.V. 6-47 and the .177 with a H.V. .222 1/2. We all thought he was a little daffy putting away a gun after shooting a .176 group, but he proved us wrong.

The shooting conditions were again most unusual for our range. It seems for the last few matches scheduled the hawk (wind) schedules the wind to blow at a 45 degree angle, which on our range is most damaging. Because of the hedge rows on either side of the range, the wind on a.45 degree is trapped in sort of a cork screw effect. From three years of shooting on this range, I have come to the conclusion this causes dispersion, but in which direction?? The temp. was an official 93 degrees at the airport, however it was an unofficial 99 degrees at the range. Something else also unusual is that it was a bright sunny day, but nearly all the shooters were unable to read the mirage. This most probably helped in that the first three aggregates were very good for the conditions encountered.

Below is listed the equipment and scores of the first five places.

1. Dr. Lewis Knox — Agg. .2706 — Cal. .6-47, Hart No. 3 action, Hart bbl., Lyman 30X, 24/4198, Detsch 65
Cal. .222 1/2, 700 Slv. action, Shilen bbl., Lyman 30X, 22/4198, Detsch 52.
2. Gary Ocock — Agg. .2930 — Small Group of the Day .175
Cal. .222 1/2, 700 Slv. action, Hart bbl., Red 24X, 22/RI-7, Rorschach 50.
3. Harold Kranch — Agg. .3022 — Cal. .222, 700 Slv. action, Hart bbl., Red 24X, 20/4198, Ocock 50.5.
4. Charles Gumph — Agg. .3580 — Cal. .222 Rem, 40-X action, Hart bbl., Unertl 20X, 24/4895, Knox 52.
5. Peg Gumph — Agg. .3978 — Same as above.

June 24, 1973

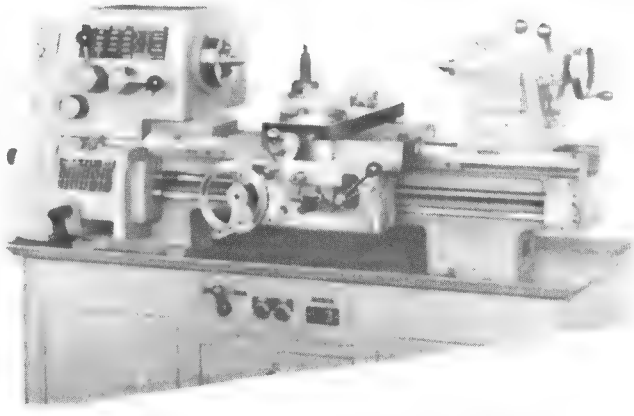
With the arrival of two new shooters to our range we had the largest attendance of the year. Mr. Robert Reinoehl and Mr. William Fink from over in the Shoemakerville area brought the match attendance to 13.

The shooting conditions were not in the shooters favor for this match. The temp. was around 85 degrees with a light wind 3-10 mph. coming in from 10 o'clock and switching to going away at 2 o'clock. These were unusual conditions for our range.

After a slow start Robert Reinoehl came on strong with his last three groups to finish in second place with a .3278 agg. However, Dan Mershon shooting very consistantly this year, finished in first position for the second match in a row with a .3232 agg.

Below is listed the equipment and scores of the first five places.
1. Dan Mershon — Agg. .3232 — Cal. .222, 700 Slv. action, Hart bbl., Lyman 30X, 20.5/4198, Rem. 52.
2. Bob Reinoehl—Agg. .3278—Cal. .22-40, Rem. 40-X action, Rem. bbl., Lyman 30X, 31.5/H-380, Rem. 52.
3. Bob Yerkes — Agg. .3402 — Cal. .222, Hart No. 3 action, Hart bbl., Lyman 30X, 21/4198, Rem. 52.
4. Gary Ocock — Agg. .3490 — Cal. .222, Hart No. 1 A action, Hart bbl., Seibert 25X, 21/R1-7, Rorschach 50.
5. Dr. Lewis Knox — Agg. .3514 — Small Group of the Day .179. Cal. .222 1/2, 700 Slv. action, Shilen bbl., Lyman 30X, 22/4198, Detsch 52.

GUNSMITH'S LATHE



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Full Geared Head

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Low Cost — Accurate Mitutoyo Precision Tools

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GALLATIN GUN CLUB
Gallatin, Tenn.
REGISTERED TOURNAMENT

June 23-24, 1973

We had a fairly good turnout for all matches except for the Sporter Class for which there were no participants. Conditions started out very good with overcast skies until the sun came out and spoiled things with a very bad mirage.

A BETTER SCOPE MOUNT

GET YOUR SCOPE OFF THE BARREL with this unique one piece bridge mount for target scopes providing easy, positive alignment. Made from light weight aluminum alloy, and designed for use with Remington rifle model 40X, 40XB, and short model 700 series—and Redfield #3200 and Unertl Posa-mount scopes, this bridge mount makes barrel tapping unnecessary. Price $15.00 postpaid.
Bridge Mount Company P. O. Box 3344
Lubbock, Texas 79410

Saturday, June 23rd

Heavy Benchrest

Top 3 — 100 Yards
(5 — 5 Shot Groups)

1. Harry Creighton ..... .3024
2. Elmo Guy ..... .3162
3. Jeff Fowler ..... .3307

Top 3 — 200 Yards
(5 — 5 Shot Groups)

1. Barbara Fowler ..... .3596
2. Elmo Guy ..... .4079
3. Jeff Fowler ..... .4176

Grand Aggregate

Top 3 — 100-200 Yards

1. Elmo Guy ..... .3621
2. Jeff Fowler ..... .3747
3. W. C. Harmon ..... .4727

Sunday, June 24th
Light and Heavy Varmint

Light Varmint

Top 3 — 100 Yards

1. Macy Brilev ..... .3848
2. Jerry Scruggs ..... .4160
3. R. T. Hayes ..... .5766

Top 3 — 200 Yards

1. Macy Briley ..... .3848
2. Jerry Scruggs ..... .4340
3. R. T. Hayes ..... .5464

Grand Aggregate

Top 3 — 100-200 Yards

1. Macy Briley ..... .4078
2. Jerry Scruggs ..... .4250
3. R. T. Hayes ..... .5615

Heavy Varmint

Top 3 — 100 Yards

1. Robert Brown ..... .4214
2. Dan McDonald ..... .4248
3. Jack Haley ..... .4266

Top 3 — 200 Yards

1. Robert Brown ..... .4506
2. Dan McDonald ..... .4593
3. A. G. Gregory ..... .4608

Grand Aggregate

Top 3 — 100-200 Yards

1. Robert Brown ..... .4360
2. Dan McDonald ..... .4420
3. Rick Bagley ..... .4988

P.S. We were very pleased to have our favorite gunsmith in this area, Mr. Harry Crieghton, to participate in this match. He did real well.

GREENVILLE GUN CLUB
Greenville, S. C.

PALMETTO STATE INVITATIONAL
July 15, 1973
I.B.S. REGISTERED

We had a fine turnout for our First Annual Palmetto State Invitational as nineteen dedicated shooters suffered through a very muggy afternoon. With the temperature and humidity both in the 90's, and stormy weather creating very difficult wind conditions, combined with heavy mirage, it proved to be a most miserable afternoon for benchrest competition. Outcries, of agony and disbelief, were heard up and down the line, all afternoon, as shots printed 5-6 tenths inch out of a good 3-4 shot group. Possible winners could not be spotted on the scoreboard, as targets in the .200's and .300's were quite often followed by groups in the .600's to .800's.

Ralph Thomas of Belton, S. C. is the Palmetto State Invitational Champion. Ralph won the championship by posting a fine 2-gun aggregate of .3589. Second and third places in the 2-gun aggregate were won by Billy LaBoon of Cayce, S. C. — .3681, and James Coffey of Boone, N.C. — .3697.

James Coffey is the Light Varmint Champion. James fired a fine .134 incher in the final match for a .3418 aggregate and first place.

Alfred Collins of Spring City, Tennessee is the Heavy Varmint Champion. Alfred continued his winning ways as he posted a .3378 aggregate for first place.

The small group trophies were won by Ed Crosby of Cayce, S. C. with a diminutive .126 incher in Light Varmint, and James Coffey with a .197 in Heavy Varmint.

A good turnout of competitors from throughout South Carolina were joined by visiting shooters from Georgia, North Carolina and Tennessee as a total of 32 guns competed for top honors.

Light Varmint

Wm.-Up Ed Crosby ..... .126
1. Bill Adkins ..... .178
2. Ralph Thomas ..... .139
3. Frank Brown ..... .389
4. Eddie Crosby ..... .270
5. James Coffey ..... .134

Aggregate Winners

1. James Coffey ..... .3418
   Boone, N.C.
2. Ralph Thomas ..... .3430
   Belton, S.C.
3. Eddie Crosby ..... .3488
   Cayce, S.C.
4. Bill Adkins ..... .3624
   W. Col., S.C.
5. Billy LaBoon ..... .3666
   Cayce, S.C.

Heavy Varmint

Wm-Up Clyde Moss ..... .238
1. Mel Rinehart ..... .207
2. Ed Watson ..... .256
3. Jackie Whitted ..... .287
4. Ralph Thomas ..... .220
5. James Coffey ..... .197

Aggregate Winners

1. Alfred Collins ..... .3378
   Sp. City, Tenn.
2. Billy LaBoon ..... .3696
   Cayce, S.C.
3. Ralph Thomas ..... .3748
   Belton, S.C.
4. E. G. Bumgardner ..... .3852
   Col., S.C.
5. Larry Richey ..... .3888
   Anderson, S.C.

2-Gun Aggregate Championship

Champion Ralph Thomas .. .3589
Runner-up Billy LaBoon ... .3681
3. James Coffey ..... .3697
4. Bill Adkins ..... .4209
5. E. G. Bumgardner ..... .4239

Ed Watson
I.B.S. Director

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CENTRAL PENNA. RIFLE CLUB INC.
Dauphin, Pa. July 29, 1973
I.B.S. Registered Hunter Rifle Match

Masters

NAME	SCORE	SCOPE	RIFLE	CAL.	BULLET	POWDER	PRIMER	CASE
1. Gates, E. L.* Harrisburg, Pa.	247-10	Weaver V-12	Rem 700 Hart	308	Sierra 168	4895 42	Rem. 9 1/2	R-P
2. Loucks, J.L.* York, Pa.	246-5	Bshnel 6	Win. Win.	308	Sierra 168	4831 46	Rem.	Win.
3. Smeltzer, R. G. Windsor, Pa.	245-9	Weaver K-6	Rem. Hart	308	Sierra 168	4895 42	RWS	Win.
4. Linn, R. A. York, Pa.	242-12	Rdfld 6	Rem 788 Hart	308	Sierra 168	3031 37	Rem. 9 1/2	Win.
5. Bupp, L. L. York, Pa.	242-6	Rdfld. 6	Rem. Hart	308	Sierra 168	4895 41	Win.	Win.
6. Thompson, P. H. Dauphin, Pa.	241-10	Weaver 4-12	Rem. Hart	308	Sierra 168	4064 39	Rem. 9 1/2	Govt.
7. Ressler, Lou York, Pa.	238-4	B & L 6	Rem 700 Hart	308	Sierra 168	4895 40	Rem.	Win.
8. Kauffman, H. E. Duncannon, Pa.	238-3	Weaver V9	Rem. Hart	308	Sierra 168	4895 41	Rem. 9 1/2	Govt.
9. Witter, A. F. Fredericksburg, Va.	238-3	Rdfld 3-9	Rem 700 Hart	308	Sierra 168	4895 40	Rem. 9 1/2	Win.
10. Frye, G. E. Dauphin, Pa.	237-4	Pecar 6	Win. Hart	308	Sierra 168	4895 40	215	GI
11. Parry, Russ Forksville, Pa.	237-1	Lyman 6	Rem. Douglas	308	Sierra 168	3031 39	Rem.	Win.
12. Olewine, P. F. Dauphin, Pa.	235-1	Pecar 6	Rem 700 Hart	243x 47	Detsch 70	4895 34	WW	GI

Hunter

1. Loucks, L. R. * York, Pa.	236-3	Rdfld 6	Rem.	308	Sierra 168	4895 41	Rem.	DWM
2. Starzinski, Ed* McChord AFB Wa.	235-6	Rdfld. 6-12	Rem. Hart	308	Sierra 168	H380 44.5	Rem 9 1/2	W-W
3. Starzinski, S. Kingston, Pa.	231-4	Rdfld 6-18	Rem 700 Hart	6x250	Detsch 70	3031 30	Rem. 7 1/2	Win.
4. Gates, Curtis* Harrisburg, Pa.	214-3	Weaver 6	Rem 700 Hart	308	Sierra 168	4895 42	9 1/2 M	GI

* — Trophies awarded

Master
1. Gates, E.L. 247-10
2. Loucks, J.L. 246-5

Hunter
1. Loucks, L. R. 236-3
2. Starsinki, E. 235-6

Hi Jr.
Gates, C. 214-3

FIBERGLASS STOCKS
—Finished or Blanks—
Hunter B/R, Sleeved actions, 40X, and Sporting Models by Brown Precision.

MACHINE SHOP SERVICE

FRED SINCLAIR
1200 Asbury Dr.
New Haven, Ind. 46774

Warm-up match
Louck, J. L. 50-1

We wish to thank all who attended our match and invite you back for our next match August 26, 1973.

SIGHT IN WITH ONE SHOT

Ever wonder how to sight a rifle in with a minimum of shots?

Bore-sight your rifle. Fire one shot on the target. Hold the rifle firmly with the crosshairs on the aiming point. Carefully move the vertical wire to the bullet hole. Move the horizontal wire to the bullet hole and you are sighted in to hit the hole. Try it — you'll like it !!

ENGLISHTOWN BENCHREST SHOOTERS ASSN.
6 Capp Street
Carteret, New Jersey 07008

CLUB HIGHS TO SHOOT FOR

HUNTER CLASS:
High Single Target Score — 50 3X — Walt Pereira — 2-10-73
High Score — 243 5X — Walt Pereira — 12-9-72
HEAVY VARMINT CLASS:
Smallest Group — .109 — Joe Nagy — 8-12-72
Smallest Aggregate — .2740 — Joe Nagy — 5-12-73

The July 14th registered shoot went off without any problems. There were only enough competitors to allow for prizes in the Master Hunter and Hunter classes, as follows:

RANGE YARDS 100

RELAY 1

INTERNATIONAL BENCHREST SHOOTERS
APPROVED HUNTER RIFLE MATCH

ENGLISHTOWN BENCHREST SHOOTERS ASSN.
Carteret, N.J. 07008

CLASS Hunter

DATE May 12, 1973

NO.	COMPETITOR	BEN.	MATCH 1	MATCH 2	MATCH 3	MATCH 4	MATCH 5	RANGE SCORE	PLACE
1	Tony Hidalgo Sr.	1	50^{1x}	49^{2x}	47^{2x}	48	46	240 5X	5th tie
2	Tony Hidalgo Jr.	2	49	47	38	48	46	228	10
7	Geza Nagy	7	47^{1x}	49^{2x}	49	49	47	241 5X	3rd
3	Fred Hass	3	49^{1x}	47^{2x}	48^{1x}	49^{1x}	47^{1x}	240 6X	4th
8	George Bondra	8	35	22	33	28	26	144	14
9	Joe Nagy	9	47	47^{2x}	44	41	45^{1x}	224 3X	11
10	Jack M. Hansen	10	43	45	48^{1x}	47^{1x}	48^{2x}	231 4X	8
12	Frank Tirrito	12	39	33	39	32	39	182	13
13	Chris Ammons	13	31	47	39	47^{2x}	44	208 2X	12
15	Walt Pereira Jr.	15	15	41^{1x}	43	39	40^{2x}	178 3X	13
16	Walt Pereira Sr.	16	48^{2x}	50^{1x}	46	47^{1x}	48^{2x}	239 6X	6
17	Giles Gardiner	17	0	19	49				
18	Jim Loucks	18	49^{1x}	47^{2x}	47^{1x}	50^{1x}	49^{2x}	242 7X	2nd
19	Bob Drexler	19	46	50^{3x}	45	48^{2x}	47	236 5X	7
20	Luther Loucks	20	49^{1x}	48	49	45^{1x}	49^{3x}	240 5X	5th tie
21	Bob Linn	21	49	46	49^{2x}	49^{4x}	50^{2x}	243 8X	1st
22	Ron Whitaker	22	44^{1x}	48^{1x}	48^{1x}	44^{1x}	45^{1x}	229 5X	9

Winchester Range, Englishtown, N.J.

Master Hunter

1. Tony Hidalgo 242-9x
2. Geza Nagy 235-4x
3. Fred Hass 226-1x

Hunter

1. Joe Nagy 232-2x
2. Jack M. Hansen 228-5x
3. Tony Hidalgo, Jr. 223-2x

The Heavy Varmint shoot was kind of ridiculous with only four competitors at the benches.

1. Geza Nagy ..... .4840
2. Jack Hansen ..... .4986
3. Ron Rosen ..... .5252
4. Tony Hidalgo ..... .5698

EDITOR'S HOUR

(Continued from Page 5)

will pay off on the firing line. This is providing you do your part.

A side result of the exposure to such work is that my curiosity has been awakened and as time permits some studies will be made into the field of ballistics. Working with men who do this for a living and know it inside and outside made me feel somewhat ballistically ignorant even though I felt I understood the basic purpose of it all. We have a long way to go in understanding what goes on in the rifle, and out of it as well, and far too much is done needlessly in the quest for accuracy. You can be sure that time spent learning ballistics and working with a chronograph is time well spent. See you at the chronograph.

By way of reminder — the corrections to the rule book as made at the Winter Meeting in Allentown are available from the recording secretary. More information on this is found in this issue.

Trading Post

6X47 SPORTER, Brown precision fiberglass stock glued to Douglas Stainless 20 inch barrel, Remington 700 action, Canjar set trigger, 20X Unertl, with loading dies $350.00. G. Davis, 3080 Linwood Ave., Naples, Florida 33940.

MATCHED SET .222 Tnt Clymer reamers. Rougher and finisher, .248" neck $24.00. Bob Pease, Box 787, New Braunfels, Texas 78130.

RANGE YARDS 100

RELAY 2

INTERNATIONAL BENCHREST SHOOTERS
APPROVED VARMINT RIFLE MATCH

ENGLISHTOWN BENCHREST SHOOTERS ASSN.
Carteret, N.J. 07008

CLASS Heavy Varmint

DATE May 12, 1973

NO.	COMPETITOR	BEN.	MATCH 1	MATCH 2	MATCH 3	MATCH 4	MATCH 5	RANGE SCORE	PLACE
1	Tony Hidalgo Sr.	1	1.118	.546	.571	.804	.695	.7468	16
2	Tony Hidalgo Jr.	2	.776	.642	.670	.469	.720	.6554	15
3	Bob Yerkes	3	.315	.416	.409	.433	.292	.3730	5
4	Dan Mershon	4	.358	.365	.456	.227	.359	.3530	4
6	Jack Hansen	6	.372	.487	.761	.640	.545	.5610	12
7	Geza Nagy	7	.507	.527	.439	.636	.414	.5046	9
8	Charlie Dzugan	8	.685	.500	.298	.360	.320	.4326	7
9	Joe Nagy	9	.328	.178	.295	.254	.315	.2240	2
10	Fred LeLong	10	.282	.646	.582	.678	.472	.5520	10
11	Ronald Rosen	11	.171	.344	.469	.263	.379	.3252	3
12	Dom Gagliostro	12	.432	.399	.723	.286	.470	.4620	8
13	Eppi Pazienza	13	.267	.472	.380	.557	.471	.4294	6
14	Skip Gordon	14	.389	.781	.576	.664	.394	.5608	11
16	Walt Pereira	16	.386	.526	.868	.332	.714	.5652	13
17	Jack Reynolds	17	Disq.						
20	Ed Knobloch	20	.313	.283	.311	.250	.212	.2738	1
22	Ron Whitaker	22	.385	.797	.776	.445	.572	.5950	14

RANGE YARDS 100

RELAY

INTERNATIONAL BENCHREST SHOOTERS
APPROVED HUNTER RIFLE MATCH

ENGLISHTOWN BENCHREST SHOOTERS ASSN.
Carteret, N.J. 07008

CLASS HUNTER

DATE June 9, 1973

NO.	COMPETITOR	BEN.	MATCH Warm Up	MATCH 1	MATCH 2	MATCH 3	MATCH 4	MATCH 5	RANGE SCORE	PLACE
1	Walter Pereira	2	49x	48x	47 2x	48	46	49x	238 4X	2
2	Fred Hass	3	45	48	45x	46x	45x	45	229 3X	4
3	Joe Nagy	5	43	43	42	42	46	43x	216 1X	6
4	Bob White	4	42	47	48	46	43	47x	231 1X	3
5	Tony Hidalgo Jr.	1	24	50	45	42x	37	44	218 1X	5
6	Tony Hidalgo Sr.	6	48 2x	47 2x	48	47	48x	48 2x	238 5X	1st

**** HEAVY VARMINT ****

			1	2	3	4	5	AGG.	PLACE
1	Ron Rosen	11	.533	.748	.702	.708	.812	.7006	5
2	Dom Gagliostro	14	.693	.553	1.399	.738	.775	.8316	8
3	George Baxter	13	1.200	.915	.780	.588	.673	.8312	7
4	Charlie Dzugan	10	.390	.797	.448	.360	.478	.4946	2
5	Walt Pereira	15	.538	.550	.768	1.177	1.053	.8172	6
6	Joe Nagy	9	.688	.565	.521	.593	.465	.5664	3
7	Jim Stack	17	1.823	1.849	1.169	.474	.905	1.244	10
8	Curtiss Pickwick	7	.493	disq.	disq.	.628	1.182		
9	Bob White	12	.517	.663	.374	.397	.252	.4406	1st
10	Jack Hansen	5	.442	.564	.629	.748	.619	.6004	4
11	Tony Hidalgo Sr.	16	1.146	.554	.865	.781	.845	.8382	9

RANGE YARDS 100

INTERNATIONAL BENCHREST SHOOTERS
APPROVED HUNTER RIFLE MATCH

CLASS Hunter

RELAY _____

ENGLISHTOWN BENCHREST SHOOTERS ASSN.
Carteret, N.J. 07008

DATE July 14, 197

NO.	COMPETITOR	BEN.	MATCH Warm Up	MATCH 1	MATCH 2	MATCH 3	MATCH 4	MATCH 5	RANGE SCORE	CLASS	
1	Fred Hass	1	45 1x	46	47	44	46 1x	43	226 1X	Master	3
2	Scott Langw	2	36	38	44	43	43 1x	42	210 2X	Master	4
3	Joe Nagy	3	45 1x	46 1x	44	46	47	49 1x	232 2X	Hunter	1st
4	John Gual	4	45	44	42	40	41	43	210	Master	5
5	Tony Hidalgo Jr.	5	50 3x	45 1x	47	44	41	46 1x	223 2X	Hunter	3
6	Jack Hansen Jr.	6	48 2x	47 1x	46	49 3x	40	46 1x	228 5X	Hunter	2nd
7	Jack Hansen	7	44	43	45	41	44	37	210 1X	Marks	1
8	Geza Nagy	8	48 1x	48 1x	46 1x	46	47	48 2x	235 4X	Master	2nd
9	Tony Hidalgo	9	48	47 2x	50 2x	49 1x	47 1x	49 3x	242 9X	Master	1st
10	Cathy Hidalgo	10	37	21	31	29	17	32	130	Master	6
12	Frank Tirrito	12	23	33	29	22	—	—		Marks	2
				**** HEAVY VARMINT ****							
1	Jack Hansen	7		.344	.362	.442	.657	.688	.4986		2nd
2	Geza Nagy	8		.285	.675	.519	.495	.446	.4840		1st
3	Tony Hidalgo	9		.345	.734	.279	.812	.679	.5698		4
4	Ron Rosen	11		.462	.470	.570	.598	.526	.5252		3

RANDOM SHOTS

(Continued from Page 16)

home on the range" where he made Master at the age of 16. **Tom Whitaker's** winning aggregate score was 3198-293X. Runner-up, as in the Wildcats 6400, was **Allan Knowles**, 23-year-old president of the Los Angeles Rifle & Revolver Club, scoring 3196-273X and out-X'ing **Tom Guerin's** 3196-264X. **Bob Boydston** followed at 3195-252X, then **Auer** — 3194-253X, **Hill** — 3193-274X. **Western Nationals** Junior Champion was **Clark Harris,** Claremont, Calif., as **Mary Stidworthy,** Prescott, Ariz. fired 3185-212X for the ladies' title.

Tom Whitaker, 1969 National Smallbore Prone Champion, switched rifles and tried out his latest stock with successful results in the scope matches. Both are Douglas-52C's with Kenyon triggers, which he calls "Chow Guns" as he used the facilities in Bob Chow's San Francisco gun shop to build them.

Assessing the competition— Going into the **South Pacific Prone Regional** on July 7-8, **Tom Whitaker** was exhilerated over his triumph two weeks earlier at the **Oregon State Championship** at Mohawk and his **third Critchfield 3200, X 292,** which was No. 33 . . . He had previously won a rough one over **Tom Guerin** at Prescott — 3190-251X to 3188-250X.

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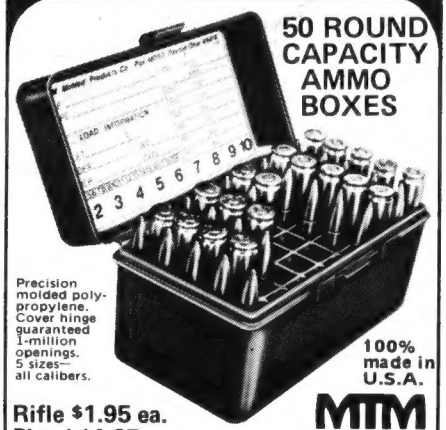

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IBS REGISTERED HUNTER RIFLE MATCH
IZAAK WALTON LEAGUE, York, Pa. July 15, 1973

It rained in York as usual. This is the third straight shoot under rainy skies. The crowd was a little light but we had a good shoot. Lou Ressler led all the way. Paul Thompson gave him a run, and also Paul had a beautiful 50-5X on the first match. Bob Smeltzer had a little trouble, but he can throw out another shoot and still win the rifle. Hope to see you all back Aug. 19th.

NAME	SCORE	CAL.	RIFLE	SCOPE	BULLET	LOAD	CASE	PRIMER
1. Lou Ressler*	247-9	308	Rem.	Weaver	168 Gr.	42 Gr.	Win.	Rem.
York, Pa.			Hart	K6	Sierra	4895		
2. Paul Thompson*	246-11	308	Rem.	Weaver	168 Gr.	39 Gr	Govt.	Rem.
Dauphin, Pa.			Hart	V12	Sierra	4064		
3. Ed. Gates	244-8	308	Rem.	Weaver	168 Gr.	42 Gr.	Rem.	Rem.
Harrisburg, Pa.			Hart	K6	Sierra	4895		
4. Robt. Smeltzer	243-9	308	Rem.	Weaver	168 Gr.	42 Gr.	Win.	RWS
Windsor, Pa.			Hart	K6	Sierra	4895		
5. Larry Bupp	243-7	308	Rem.	Redfld.	168 Gr.	41 Gr.	Win.	Win.
York, Pa.			Hart	6X	Sierra	4895		
6. Robt. Linn	242-7	308	Rem.	Redfld.	168 Gr.	37 Gr.	Win.	Rem.
York, Pa.			Hart	6X	Sierra	3031		
7. Jim Loucks**	242-4	308	Win.	Bushnl	168 Gr.	46 Gr.	Win.	Rem.
York, Pa.			Win.	6X	Sierra	4831		
8. Curtis Gates	239-6	308	Rem.	Weaver	168 Gr.	42 Gr.	Rem.	Rem.
Harrisburg, Pa.			Hart	K6	Sierra	4895		
9. Paul Olewine	238-3	243X47	Rem.	Pecar	75 Gr.	33 Gr.	Govt.	Rem.
Dauphin, Pa.			Hart	6X	HM	4064		
10. Craig Gates	234-6	308	Rem.	Weaver	168 Gr.	42 Gr.	Rem.	Rem.
Harrisburg, Pa.			Hart	K6	Sierra	4895		
11. John Hunt	227-2	6MM	Rem.	Weaver	85 Gr.	--	--	Rem.
Seven Valleys, Pa.			Rem.	K6	Sierra	4064		
HUNTER								
1. Ron. Drobek*	241-3	308	Rem.	Weaver	168 Gr.	39 1/2 Gr.	Rem.	Rem.
York, Pa.			Shln	K6	Sierra	3031		
2. Luther Loucks*	239-6	308	Rem.	Redfld	168 Gr.	41 Gr.	DWM	Win.
York, Pa.			Dgls	6X	Sierra	4895		
3. Robt. Drexler	233-5	308	Rem.	Weaver	168 Gr.	41 Gr.	Win.	Rem.
Churchville, Pa.			Shln	V9	Sierra	4895		
4. Nev. McCann	220-1	6MM	Rem.	Weaver	80 Gr.	38 Gr.	Rem.	Rem.
Glen Rock, Pa.			Rem.	K6	Rem.	4064		
MARKSMAN		308	Rem.	Lyman	168 Gr.	40 Gr.	Govt.	RWS
1. Dave Grim, Jr.*	238-6		Rem.	6X	Sierra	748 BR		
Wrightsville, Pa.		244	Mauser	Weaver	75 Gr.	38 Gr.	Rem.	Rem.
2. Richard Thiessen*	229-3		Flaig	K6	Sierra	4064		
Glen Rock, Pa.		308	Rem.	Weaver	168 Gr.	39 1/2 Gr.	Rem.	Rem.
3. Bill Barron	208-1		Dgls	K6	Hornady	3031		
York, Pa.								

* Awarded trophy
* * Won Warm-up with 50-3

Allan Knowles was third . . . **George and Mary Stidworthy** had just starred at the **Texas State** in Dallas, won by George's 3198 . . . Then, **Dr. F.P. Archer** arrived in his motor home from Homestead, Florida.

But, it was none of the above who came the closest to stopping Whitaker! NANCY WEBB, an Expert and hard-working director of the Los Angeles Rifle & Revolver Club, was the surprise sensation! Her 1597-117X **finished second** in the **Metallic Aggregate** behind Whitaker's winning 1598-133X. That provided the incentive she needed to hang in for her first 1600 . . . with everyone pulling for her when she experienced a few nervous moments on her final any sight bull. Nancy Webb's dedication and long months of practice had paid off with the **second ranking regional aggregate** of 3197-254X, the **Regional Ladies' title . . .** and the **Los Angeles Rifle & Revolver Club Ladies' Record.** Nancy, a left-hander, was firing an Atkinson-BSA, with the hot lot of Eley (319) which Allan Knowles had shared with her and which she had been hoarding. Trailing two whole points behind was Knowles.

It was the meter iron which turned the tide. The unorthodox switches and changing light conditions proved to be an entrapment for all of the Masters, whose top scores were those of Whitaker and Knowles with 2 points down. Janet Cruze, a junior expert had the only 400, and Dennis Ghiselli, also a junior expert, and Nancy Webb got by with 399's.

Whitaker's 1600-151X headed the string of a dozen 1600 possibles. **See photo.**

The heartbreaker was **Mary Stidworthy's** 9 at 50-meters any. With her fantastic 153X-count, a 1600

would have established a Ladies' and Junior Record which should have lasted for quite awhile . . . She did acquire **co-holder** status for her 400-38X at 100-yds. any in both **Ladies' and Junior National Record** categories, and **Mary and Clark Harris** equalled the **National Junior Record** of 400-39X in the Dewar any!!!

The **South Pacific** REGIONAL CHAMPIONSHIP went to TOM WHITAKER for a 3198-284X, constituting his fifth consecutive victory beginning with the Wildcats in March. He is still hoping to break 3198 on the Los Angeles Rifle & Revolver Club range, where Allan Knowles fired the second Critchfield 3200 last November with a range record. (The initial 3200 was fired by Vic Auer). Whitaker, nevertheless, was exuding confidence as he looked forward to Perry and tangling with Lones Wigger, Pres Kendall, and Allan Knowles.

THEY FIRED PERFECT 1600'S WITH SCOPE AT SOUTH PACIFIC PRONE REGIONAL. (left to right, seated) National Civilian Champion and Regional Any Sight Champion; Robert E. Perkins, Nancy Webb, Ladies Any Sight Champion; Allan Knowles, Alan Michael, Vic Auer, runner-up in Any Sight Aggregate. (left to right standing) Clark Harris, A.R. Willbrandt, Harley Jessup, David Kimes, USAR; Cliff Pierson, and Tom Guerin.

Photo by John F. Lane

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The 40XB center fire repeating rifle is ideal for rapid-fire events, especially in the 7.62m/m Nato (308) caliber, because of its shorter bolt throw and extreme accuracy, plus its optimum weight for "over the course" competition. As a single-shot model, the 40XB center fire is offered in several calibers as listed. The action is hand-bedded, and the barrel is free-floating for superior accuracy.

The brother of the 40XB-CF is the 40XB center fire bench rest target rifle. It incorporates all the features of the extremely accurate 40XB-CF, but it is modified to give the competitive bench rest shooter a standardized rifle that provides the inherent accuracy advantages of a short (20"), heavy, extremely stiff barrel. A wider, squared-off fore-end gives a more stable rest on sandbags or other supports. In combination with the new Remington target scope, the resulting package weighs just under 10½ lbs. and meets weight limitations for the sporter and light varmint classes of National Bench Rest Shooters Association competition. For shooters competing in the heavy varmint class, a 13½-lb. 26"-barrel version is available.

SPECIFICATIONS

	MODEL 40-XB CENTER FIRE	MODEL 40XB-BR CENTER FIRE
ACTION	Bolt—Single shot in either standard or heavy barrel versions. Repeater in heavy barrel only.	Bolt—Single shot only.
CALIBERS	See listing below.	222 Rem., 222 Rem. Mag., 223 Rem., 6mm x 47, 7.62 NATO (308 Win.)
SIGHTS	No sights supplied. Target scope blocks installed.	Supplied with target scope blocks.
SAFETY	Positive thumb-operated.	Positive thumb-operated.
RECEIVER	Drilled and tapped for scope block and receiver sights.	Drilled and tapped for target scope blocks.
BARREL	Drilled and tapped for scope block and front target iron sight. Muzzle diameter S2—approx. ¾", H2—approx. ⅞". Length: 27¼". Unblued stainless steel on all models and calibers.	Unblued stainless steel only. 20" barrel for Light Varmint Class. 26" barrel for Heavy Varmint Class.
TRIGGER	Adjustable from 2 to 4 lbs. pull. Special 2 oz. trigger available at extra cost for single-shot models.	Adjustable from 1½ to 3½ lbs. Special 2-oz. trigger available at extra cost.
OVER-ALL LENGTH	Approx. 47".	38" with 20" barrel. 44" with 26" barrel.
STOCK	American walnut. Adjustable hand stop and front swivel block on rail. Rubber non-slip butt plate.	Selected American walnut. Length of pull—12" on 10½ lb. class and 12¾" on 13½ lb. class.
AVERAGE WEIGHT	S2—9¼ lbs. H2—11¼ lbs.	Light Varmint Class (20" barrel) 9¼ lbs. Heavy Varmint Class (26" barrel) 12 lbs.

MODEL 40 XB "RANGEMASTER"—CENTER FIRE	ORDER NUMBERS	PRICES*
CF-S2 Std. Stainless Barrel	special	$269.95
CF-H2 Heavy Stainless Barrel	special	
Repeating Center Fire Models (Heavy Barrel Only)		$ 20.00
Extra for 2 oz. Trigger (Single Shot Model Only) (18 Weeks or more for center fire models)		$ 40.00

MODEL 40XB-BR CENTER FIRE	ORDER NUMBERS	PRICES*
40XB-BR Heavyweight barrel without sights	special	$289.95
Extra for two-ounce trigger		40.00

SCOPE SPECIFICATIONS

Magnification: 24 X/Objective clear aperture: 36mm/Exit pupil: 1.5mm/Field: 6.5 feet at 100 yards/Eye relief: 2¼"/Overall length: 16¼"/Weight: 19⅜ ounces including mounts and bases/Adjustment graduation: ¼" graduation with external adjustments. Order Number 5712, price $179.95.*

AVAILABLE 40-XB SINGLE SHOT CALIBERS

222 Rem., 222 Rem. Mag., 223 Rem., 22-250 Rem., 6 mm x 47 (6 mm .222 Mag.), 6 mm Int., 6 mm Rem., 243 Win., 25-06 Rem., 6.5 mm Rem. Mag., 7 mm Rem. Mag., 7.62 mm NATO (308 Win.), 30-06, 30-338 (.30-7 mm Mag.), 300 Win. Mag.

CALIBERS AVAILABLE IN 40-XB REPEATING MODELS (HEAVY BARREL VERSION ONLY)

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